

Research Publications of Professor (Er.) Dr. Devendra Swaroop Bhargava
Retd. Professor (Environmental) of Roorkee University (now I.I.T)

1. Bhargava, D.S., "Chlorination of Water Supplies," M.Es. Dissertation presented to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, India, in July 1966, in partial fulfillment of the requirements for the degree of Master of Engineering in Public Health Engineering.
2. Bhargava, D.S., "On the Problem of Wholesome Water Supply in Towns," presented at the April 8 -9, 1971, Seminar on Water Supply and Sanitation Problems of Urban Areas Below One lakh Population, organized by the Institution of Engineers, India, Roorkee Sub-Centre, held at Roorkee, India, *Sem. Proc.*, pp C3, 1-10 (also reported in *Bul. Institution of Engineers, India*, Vol. 20, No. 10, Jun., 1971, pp 15-16).
3. Bhargava, D.S., Agarwal, G.D., and Bokil, S.D., "Remote Sensing Techniques and the Environment," *Indian Journal of Environmental Health*, Vol. 17, No.4, Oct., 1975, pp 307-317.
4. Bhargava, D.S., and Agarwal, G.D., "Use of Photographs in Stream Pollution Monitoring System," presented at the February 21-23, 1976, 2nd National Convention on Environmental Engineering held at IIT Delhi, vide Vol.5, No.1, *Conv. Proc.* pp T.S.-4/7, full paper published in the *Journal of the Institution of Public Health Engineers, India*, Vol. 1978, No.2, Apr.-Jun., 1978, pp 22-28,
5. Agarwal, G.D., and Bhargava, D.S., "Accounting for Microbial Populations in Mathematical Models for Self-Purification in Streams," *Journal of the Institution of Public Health Engineers, India*, Vol. 1977, No.1, Jan.-Mar., 1977, pp 7-14.
6. Bhargava, D.S., "Water Quality in Three Typical Rivers in U.P. - Ganga, Yamuna and Kali," Ph.D. Thesis presented to the Department of Civil Engineering, *Indian Institute of Technology*, at Kanpur, India, in June, 1977, in partial fulfillment of the requirements for the degree of Doctor of Philosophy.
7. Agarwal, G.D., and Bhargava, D.S., "State of Pollution of River Jumna in Delhi Territory," *Technical Report* for the Central Board for the Prevention and Control of Water Pollution, New Delhi, India, Jan., 1977.
8. Agarwal, G.D., and Bhargava, D.S., "Use of Integrated Quality Indices in Water Pollution Control", *Journal of the Institution of Public Health Engineers, India*, Vol. 1977, No.4, Oct.-Dec., 1977, pp 95-100.
9. Bhargava, D.S., (as official I/C), "Inter State Yamuna River Project," Annual Report 1977-78, *Central Board for the Prevention and Control of Water Pollution*, New Delhi, India, 1978, pp 8-9.
10. Bhargava, D.S., (as official I/C), "Union Territory of Delhi (Abridged)," Control of Urban Pollution Series, CUPS/1/1978-79, *Central Board for the Prevention and Control of Water Pollution*, New Delhi, India.
11. Bhargava D.S., (as official I/C), "Union Territory of Delhi (Detailed)," Control of Urban Pollution Series, CUPS/2/1978-79, *Central Board for the Prevention and Control of Water Pollution*, New Delhi, India.
12. Bhargava, D.S., (As official I/C), "Industrial Survey, Union Territory of Delhi," Control of Urban Pollution Series, CUPS/3/ 1978-79, *Central Board for the Prevention and Control of Water Pollution*, New Delhi, India.

13. Bhargava, D.S., (Guide), "First Order Rate Constant of Compression," Special Problem submitted by Shameem Ahmed, to the Department of Civil Engineering, *University of Roorkee*, at Roorkee in 1980, as part of Master of Engineering Programme in Environmental Engineering.
14. Bhargava, D.S., (Guide), "Studies in Correlation between G and Optimum Alum Dose," Special Problem, submitted by Dinesh Chand, to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in January, 1981, as part of Master of Engineering Programme in Environmental Engineering.
15. Bhargava, D.S., (Guide), "Pollution Studies on River Kali," M.E. Dissertation presented by R.Maheshwari to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in July, 1981, in partial fulfillment of the requirements for the award of the degree of Master of Engineering in Environmental Engineering.
16. Bhargava, D.S., (Guide), "Study of Relationships between Suspended Solids Concentration and Critical Concentration," Special Problem, submitted by M.K. Pathak, to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in 1981 as part of Master of Engineering Programme in Environmental Engineering.
17. Bhargava, D.S., (Guide), "Studies in Multimedia Filters," M.E. Dissertation presented by Ashok Kumar Srivastava, to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in August 1981, in partial fulfillment of the requirements for the award of the degree of Master of Engineering in Environmental Engineering.
18. Bhargava, D.S., (Guide), "Basin Design Different Classes of Sedimentation," Special Problem, submitted by Ishanand to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in 1981, as part of Master of Engineering Programme in Environmental Engineering.
19. Bhargava. R., Mathur. R.P., and Bhargava. D.S., "Algal Diversity as Pollution Indicator," *Journal of the Institution of Public Health Engineers*, India, Vol. 1981, No.4, Oct.-Dec., 1981, pp 57-63.
20. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Physico-Chemical Treatment for Phenol Removal in Heavily Polluted Effluents," *Journal of the Institution of Public Health Engineers*, India, Vol. 1981, No.4, Oct.-Dec., 1981, pp 77-83.
21. Kumar, P., Bhargava, D.S., and Mehrotra, I., "Role of Water Hyacinth in Accelerating Biodegradation of Organic Matter," *Journal of the Institution of Public Health Engineers*, India, Vol. 1981, No.4, Oct.-Dec., 1981, pp 91-94.
22. Bhargava, D.S., "Pollution Control Strategy for Ganga," presented at the December 11-13, 1981, International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 31-38.
23. Kumar, P., Bhargava, D.S., and Mehrotra, I., "Wastewater Treatment Using Water Hyacinth," presented at the December 11-13, 1981, International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 153-159.

24. Bhargava, D.S., "Ganga, the Most Self-Purifying River," presented at the December 11-13, 1981, International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 229-233.
25. Sagar, G., and Bhargava, D.S., "Water Hyacinth: An Aid to Sewage Treatment," presented at the December 11-13, 1981, International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 259-268.
26. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Removal of Phenol in Moving Media Reactor," presented at the December 11-13, 1981. International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 311-318.
27. Ahmed, S., and Bhargava. D.S., "Rate Constant for Compression Settling," presented at the December 11-13, 1981. International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 361-369.
28. Srivastava, A.K., and Bhargava, D.S., "Studies in Multi-Media Filters," presented at the December 11-13. 1981, International Symposium on Water Resources Conservation Pollution and Abatement organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 437-445.
29. Srivastava, A.K., and Bhargava, D.S., "Developing a High Rate Multi-Media Filter," *Journal of the Indian Water Works Association*, Vol. 14, No.1, Jan.-Mar., 1982, pp 37-43.
30. Bhargava, D.S., "Economics of Water Hyacinth to a Common Man," presented at the March 25-27, 1982, National Seminar on Uttrakhand (Socio-Economic, Eco-Cultural), organized by the Garhwal University, Institute of Himalayan Studies and Regional Development, held at Srinagar, Garhwal, India, *Sem. Proc.* pp 60-63.
31. Bhargava, D.S., (Guide), "Pollution Status of River Gomti at Lucknow," M.E. Dissertation by Ram Tirath, Department of Civil Engineering, *University of Roorkee*, at Roorkee in May 1982, (disputed) in partial fulfillment of the requirements for the award of the degree of Master of Engineering (Civil) with specialization in Environmental Engineering.
32. Bhargava, D.S., "The Destiny of Ganga", at the July 7-14, 1982, the First International Symposium on Environmental Technology for Developing Countries, organized by the Institute of Environmental Sciences, Bogazici University, P.K. 2, Benek, Istanbul, Turkey, also published in, *Aditya International Journal of Research in Technology and management*, Vol.2, Issue 10, 2013, pp.1-5
33. Bhargava, D.S., "Remote Sensing in Environmental Engineering and Pollution Control," *Indian Surveyor, the Journal of the Institution of Surveyors*, India, Vol. 23, No.2, Jul., 1982, pp 167-169.
34. Bhargava, D.S., "Usefulness of Ganga," *Journal of the Indian Water Works Association*, Vol.14, No.3, Jul. Sep., 1982, pp 239-241.
35. Bhargava, D.S., "Upgradation of Ganga Quality at Kanpur," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.3, Jul.-Sep., 1982, pp 11-14.

36. Bhargava, D.S., "An Ideal Methodology for Evaluation of Effluent Standards," at the August 30-31, 1982, Annual Convention on Water Pollution '82, organized by National Centre for Technical Development, held at Bombay, India, *Conv. Proc.* pp BX-1 -BX-5.
37. Bhargava, D.S., "Remote Sensing for Monitoring Water Pollution," at the August 30-31, 1982, Annual Convention on Water Pollution '82, organized by National Centre for Technical Development, held at Bombay, India, *Conv. Proc.* pp EX-1 -EX-3.
38. Bhargava, D.S., "Improving the Yamuna for Delhites," at the September 9-11, 1982, International Symposium on Food Industries and the Environment, held at Budapest, Hungary, *Sym. Proc.* pp 127-132, Publishing House of the Hungarian Academy of Sciences (also in, *Developments in Food Science*, Vol. 9: Food Industries and the Environment, J. Hollo, ed., *Elsevier Science Publishers*, P.O. Box 211, 1000 AE Amsterdam, the Netherlands, 1984, Art. pp).
39. Bhargava, D.S., "Coagulating Capacity of Ganga at Kanpur" at the September 9-11, 1982, International Symposium on Food Industries and the Environment, held at Budapest, Hungary, *Sym. Proc.* pp 133-141, Publishing House of the Hungarian Academy of Sciences (also in, *Developments in Food Sciences*, Vol. 9 : Food Industries and the Environment, J. Hollo, ed., *Elsevier Science Publishers*, P.O. Box 211, 1000 AE Amsterdam, the Netherlands, 1984, Art. pp).
40. Bhargava, D.S., "Remote Sensing Techniques for Ocean Pollution Surveys," Abstract sent to September 20-22, 1982, OCEANS-82 MTS-IEEE Conference & Exposition, 1730 M Street, N.W., Suite 412, Washington, D.C. 20036/Tel.202/659-3251, but published as Editorial, *Indian Journal of Environmental Protection*, Vol.33, No.8, August, 2013, p.viii (editorial page).
41. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Sorbent Size and Sorbate Input Rates Variation in a Moving Media Reactor," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 63, Pt. EN 1, Oct., 1982, pp 33-35.
42. Tirath, R., and Bhargava, D.S., "Water Quality in Gomti River at Lucknow (U.P.)," *Journal of the Indian Water Works Association*, Vol. 14, No.4, Oct.-Dec., 1982, pp 299-304.
43. Pathak, M.K., and Bhargava, D.S., "Zone Settling Relationships," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.4, Oct.-Dec., 1982, pp 9-16.
44. Maheshwari, R., and Bhargava, D.S., "Water Quality Status of Kali Nadi at Bulandshahr," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.4, Oct.-Dec., 1982, pp 17-23.
45. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Full Utilization of a Sorbent Capacity in a Moving Media Reactor," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.4, Oct.-Dec., 1982, pp 61-64.
46. Bhargava, D.S., "Appropriate Pollution and Water Technologies for Rural Population," presented at the November 4-6, 1982, Second National Conference on Sanitation, organized/sponsored by Departments of Health, Environment & Education, Government of West Bengal, held at Calcutta, India, *Conf. Proc.* pp 80-82.
47. Bhargava, D.S., "Water Quality Survey of the Ganges," sent to the December 14-17, 1982, 1st International Conference on Industrial Pollution and Control, Hotel Equatorial, Republic of Singapore, organized by ECMC, Suite 815, World Trade Centre, 1, Maritime Square, Singapore, also published in *Asian Environment*, Philippines, Vol. 6, No.1, First Quarter, 1984, pp 4-6

48. Bhatt, D.J., Bhargava. D.S., and Panesar, P.S., "Effect of the Ratio of Reactor Diameter to Particle Size on the Performance of a Moving Media Reactor," sent to the December 14-17, 1982, 1st International Conference on Industrial Pollution and Control, Hotel Equatorial, Republic of Singapore, organized by ECMC, Suite 815, World Trade Centre, 1, Maritime Square, Singapore, also published in *Asian Environment*, Philippines, Vol.6, No.4, Fourth Quarter, 1984. pp 21-23
49. Bhatt,D.J., Bhargava,D.S., and Panesar, P.S., "Treatment of Low Concentration Phenolic Wastes in a Moving Media Reactor," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 63, Pt. EN 2, Feb., 1983, pp 74-77.
50. Bhargava, D.S., "Most Rapid BOD Assimilation in Ganga and Yamuna Rivers," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No.1, Proc. Paper No. 17674, Feb., 1983, pp 174-188. Errata in *Journal of the Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No. 5, Oct., 1983, pp 1222-1223.
51. Bhargava, D.S., and Panesar, P.S., (Guides), "Physcio-Chemical Treatment for Phenol Removal Through a Moving Media Reactor," Ph.D. Thesis presented by D.J. Bhatt to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in March 1983, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
52. Bhargava, D.S., Bhatt, D.J., and Panesar, P.S., "Isotherm for a Moving Media Reactor," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No.2, Paper No. 17844, Apr., 1983, pp 369-382. "Errata" in *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No.5, Oct., 1983, p 1223.
53. Bhargava, D.S., "Use of a Water Quality Index for River Classification and Zoning of Ganga River," *Environmental Pollution, Series B, an International Journal*, England, Vol. 6, No.1, Jun., 1983, pp 51-67.
54. Tatwawadi, Capt. B.D., and Bhargava, D.S., "The Problem of Radioactive Waste Disposal with Special Reference to India," presented at the June 24-25, 1983, All India Conference on Solid Waste Management, organized by the Institute of Energy Management, Bombay, India, *Conf. Proc.* pp G-1-G-15.
55. Bhargava, D.S., "Very Low Altitude Remote Sensing of the Water Quality of Rivers," *Photogrammetric engineering and Remote Sensing, Journal of the American Society of Photogrammetry*, Vol. 49, No.6, Jun., 1983, pp 805-809.
56. Tirath, R., and Bhargava, D.S., "Control of Pollution in Gomti River at Lucknow," *Journal of the Institution of Public Health Engineers*, India, Vol. 1983, No.3, Jul.-Sep., 1983, pp 13-23.
57. Bhargava, D.S., "A Light Penetration Model for the Rivers Ganga and Yamuna," *International Journal for Development Technology, International Centre for Technical Research*, England, Vol. 1, No.3, Sep., 1983, pp 199-205.
58. Bhargava, D.S., "Effect of Subsurface Water on Yamuna Water Quality at Delhi," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 64, Pt. EN 1, Oct., 1983, pp 33-34.

59. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Effect of pH on Phenol Removal in Moving Media Reactors," *Indian Journal of Environmental Health*, Vol. 25, No.4, Oct.-Dec., 1983, pp 261-267.
60. Bhargava, D.S., "The Sick Yamuna," *Journal of Indian Water Works Association*, Vol. 15, No.4, Oct.-Dec., 1983, pp 351-353.
61. Datar, M.T., and Bhargava, D.S., "Anaerobic versus Aerobic Digestion of Activated Sludge," *Journal of the Institution of Public Health Engineers, India*, Vol. 1983, No.4, Oct.-Dec., 1983, pp 1-7.
62. Pande, P.K., and Bhargava, D.S., "Reuse of a Filter before Its Backwashing," *Journal of the Institution of Public Health Engineers, India*, Vol. 1983, No.4, Oct.-Dec., 1983, pp 55-58.
63. Bhargava, D.S., "Water Quality Implications on Tourism and Wild Life Development," at the December 18-21, 1983, International Conference on Resources Development, Use, and Conservation with Special Reference to India, organized by the Department of Geography, Govt. (Post-Graduate) College, held at Narnaul, Haryana, India, *Conf. Proc.* pp 14-18.
64. Bhargava, D.S., "Monographs for Aerobic Stabilization Pond (Oxidation Pond) Design," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-67 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 2, Feb., 1984, pp 81-85.
65. Bhargava, D.S., "Monographs for Septic Tank Design," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-68 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 2, Feb., 1984, pp 59-60.
66. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Comparative Study of Static and Dynamic (Moving Media Reactor) Systems of Phenol Adsorption," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-75 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 2, Feb., 1984, pp 67-69.
67. Datar, M.T., and Bhargava, D.S., "Solids and Nitrogen Conversion During Aerobic Digestion of Activated Sludge," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-76 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 2, Feb., 1984, pp 70-74.
68. Verma, M.S., Bhargava, D.S., and Pathak, S.K., "A New Method of Estimating Settleable Suspended Solids," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-78 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 2, Feb., 1984, pp 78-80.

69. Porey, P.D., and Bhargava, D.S., "Evolving a Technology for Uniform Dispersion of Wastewater Outfalls into Streams," presented at the December 21, 1983, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore City Sub-Centre, Jhansi Lakshmibai Road, Mysore, vide EN-86 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 64, Pt. EN 3, Jun., 1984, pp 119-123.
70. Bhargava, D.S., "Natural Regeneration Capacity of Natural Waters," Water Pollution and Management, C.K. Varshney, ed., *Wiley Eastern Limited*, New Delhi, India, 1983, pp 228-237.
71. Pande, P.K., and Bhargava, D.S., "High Rate, Longer Running, Cup-shaped Package Filters," *Journal of the Indian Water Works Association*, Vol. 16, No.1, Jan.-Mar., 1984, pp 47-50.
72. Bhargava, D.S., "Risks from Using Unclassified Waters," presented at the February 1-5, 1984, National Seminar on Assessment and Management of Pollution, organized by the School of Environmental Science, held at Jawaharlal Nehru University, New Delhi, India, *Sem. Proc.* p (Abst.), full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 5, No.3, Sep., 2008, pp.17-18.
73. Bhargava, D.S., "Planning Graduate Programmes for the Training of Environmental Technologists," presented at the February 8-10, 1984, National Seminar on Environment, sponsored by the Department of Environment, Madhya Pradesh, and organized by the Environmental Planning and Coordination Organisation, held at Bhopal, India, *Sem. Proc.* p 41 (Abst.), full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 6, No.1, Mar., 2009, pp.32-33.
74. Bhargava, D.S., "Role of Conservative and Non-Conservative Parameters in Water Pollution Assessment," at the March 19-21, 1984, National Conference on Pollutational Stress in Major Indian River Basins, organized by the Environmental Geology Section, Department of Geology, held at Aligarh Muslim University, Aligarh, India, *Conf. Proc.* p 6 (Abst.) .), full paper text as "Role of Water Quality Parameters in Water Pollution Assessment," in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 5, No.4, Dec., 2008, pp.21-22.
75. Pande, P.K., and Bhargava, D.S., "Declining Rate Versus Constant Rate Filtration," *Journal of the Indian Water Works Association*, Vol. 16, No.2, Apr.-Jun., 1984, pp 179-182.
76. Dattar, M.T. and Bhargava, D.S., "Effect of Initial Solids Concentration on Aerobic Digestion Period of Thickened Activated Sludge," *Journal of the Institution of Public Health Engineers*, India, Vol. 1984, Nos. 2 & 3, Apr.-Sep., 1984, pp 10-21.
77. Pande, P.K., and Bhargava, D.S., "Material and Equipment for a Radial Package Filter," at the August 17-18, 1984, Second Seminar on Operation & Maintenance of Sanitary Engineering Assets, organized by the Calcutta Metropolitan Water and Sanitation Authority (C.M.W. & S.A.) Engineer's Association, held at Calcutta, India, *Sem. Proc.* and published in the *Indian Journal of Environmental Protection*, Vol. 35, No.9, Sep., 2015, pp. 789-791 and as Bhargav DS and Pande PK in *Our-Earth* (a quarterly publication devoted to ecology and environment management), Vol. 12, No.2, Jun., 2015, p.12-14.

78. Datar, M.T., and Bhargava, D.S., "Management of Aerobic Digesters," at the August 17-18, 1984, Second Seminar on Operation & Maintenance of Sanitary Engineering Assets, organized by the Calcutta Metropolitan Water and Sanitation Authority (C.M.W. & S.A.) Engineer's Association, held at Calcutta, India, *Sem. Proc.* and published in the *Indian Journal of Environmental Protection*, Vol. 35, No.10, Oct., 2015, pp 851-853.
79. Bhargava, D.S., "Prevention of Pollution in Yamuna," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-73 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 1, Oct., 1984, pp 7-10.
80. Datar, M.T., and Bhargava, D.S., "Variations in BOD and COD during Aerobic Digestion of Activated Sludge," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-93 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 1, Oct., 1984, pp 35-39.
81. Bhargava, D.S., "Equalizing Effect of Impounding at Dak Patthar along Yamuna," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-96 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 1, Oct., 1984, pp 31-34.
82. Bhargava, D.S., "Ecological Applications of Remote Sensing," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-100 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 2, Feb., 1985, pp 54-56.
83. Pande, P.K., and Bhargava, D.S., "Headloss Variations During Horizontal Filtration with Counter-current Flow," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-101 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 2, Feb., 1985, pp 57-63.
84. Pande, P.K., and Bhargava, D.S., "Specific Deposit Variation in Horizontal Filter Employing Co-current Principle," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-102 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 2, Feb., 1985, pp 64-69.
85. Bhargava D.S., "Risk Assessment for Pilgrims," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-117 and published in the *Journal of Environmental Engineering Division. Institution of Engineers, India*, Vol. 65, Pt. EN3, Jun., 1985, pp 99-101.

86. Bhargava, D.S., "Technology of Rationally Setting Effluent Standards for Water Pollution Administration," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-130 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 66, Pt. EN 1, Oct., 1985, pp 12-15.
87. Datar, M.T., and Bhargava, D.S., "Effects of Temperature on Solids Reduction during Aerobic Digestion of Activated Sludge," presented at the August 18, 1984, Semi-Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide EN-133 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN3, Jun., 1985, pp 117-120.
88. Bhargava, D.S., "Stressing Effects of Water Polluting - Parameters," presented at the August 19, 1984, Seminar on Environmental Pollution Prevention, Control and Abatement, organized by the Institution of Engineers, India, Jabalpur Local Center, held at Jabalpur, India, *Sem. Proc.* (also reported in *Bul. of Institution of Engineers, India*, Vol. 35, No.2, Aug., 1985, pp 8-9) . and published as Editorial in the *Indian Journal of Environmental Protection*, Vol. 35, No.3, Apr., 2015, pp. vii-viii (Editorial pages).
89. Bhargava, D.S., and Datar, M.T., "Nitrification During Aerobic Digestion of Activated Sludge," *Effluent + Water Treatment Journal*, England, Vol. 24, No.9, Sep., 1984, pp 352- 355.
90. Datar, M.T., and Bhargava, D.S., "Effect of Temperature on BOD & COD Kinetics During Aerobic Digestion," *Indian Journal of Environmental Health*, Vol. 26, No.4, Oct.-Dec., 1984, pp 285-297.
91. Maheshwari, R., and Bhargava, D.S., " Pollution Control Programme for Kali Nadi at Bulandshahr (U.P.)," *Journal of the Indian Water Works Association*, Vol. 16, No.4, Oct.-Dec., 1984, pp 359-364.
92. Bhargava, D.S., "Exploitation of the Extremely High Self- Purifying Abilities of the Ganges for its Pollution Abatement Strategies," *Journal of the Institution of Public Health Engineers, India*, Vol. 1984, No.4, Oct.-Dec., 1984, *Spl. Issue*, pp TS III-22 -TS III-27.
93. Datar, M.T., and Bhargava, D.S., "Thermophilic Aerobic Digestion of Activated Sludge," *Journal of the Institution of Public Health Engineers, India*, Vol. 1984, No.4, Oct.-Dec., 1984, *Spl. Issue*, pp TS IV-22 -TS IV-36.
94. Bhargava, D.S., "Developments in High Rate Longer Running Filters," Current Practices in Environmental Engineering, (an International Overviews Annual). ISSN 0253-5114, Vol. 1, Alam Singh & U.S. Sharma, eds. *Geo-Environ Academia*, A-42, Shastri Nagar, Jodhpur, 342 003, India, 1984, Art. EE 12, pp 153-164.
95. Bhargava, D.S., "Paradox at the Indian Scene Related to the River Quality Surveys," at the January 20, 1985, 64th Annual Session of the Institution of Engineers, India, Uttar Pradesh State Centre, held at Lucknow, India. *Annual Sess. Proc.* pp 13-16.
96. Datar, M.T., and Bhargava, D.S., "Effect of Initial Solids on Kinetics of Solids Reduction During Aerobic Digestion" *Indian Journal of Environmental Health*, Vol. 27, No. 1, Jan.-Mar., 1985, pp 31-45.

97. Bhargava, D.S., "Variations in Quality in the Ganges," *Effluent + Water Treatment Journal*, England, Vol. 25, No.2, Feb., 1985, pp 61-65.
98. Bhargava, D.S., "Water Quality Variations and Control Technology of Yamuna River," *Environmental Pollution, Series A, an International Journal*, England, Vol. 37, No.4, Apr., 1985, pp 355-376.
99. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Comparative Performance of Activated Carbon v/s Charcoal for Phenol Removal in a Moving Media Reactor," *Journal of the Institution .of Public Health Engineers*, India, Vol. 1985, No.2, Apr.-Jun., 1985, pp 78-82.
100. Pande, P.K., and Bhargava, D.S., "Variations in Influent Turbidity in Counter-current Horizontal Filtration," *Journal of the Indian Water Works Association*, Vol. 17, No.2, Apr.-Jun., 1985, pp 171-173.
101. Bhargava, D.S., "Expression for Drinking Water Supply Standards," *Journal of Environmental Engineering, American Society of Civil Engineers*, EED, Vol. 111, No. 3, Paper No. 19773, Jun., 1985, pp 304-316.
102. Bhargava, D.S., (Guide), "Studies in Aerobic Digestion of Waste Activated Sludge," Ph.D, Thesis presented, by Madhev T. Datar, to the Department of Civil Engineering, *University of Roorkee*, at Roorkee in July 1985, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
103. Bhargava, D.S., "Building Water Services Related Hazards," *Journal of the Indian Water Works Association*, Vol. 17, No.3, Jul.-Sep., 1985, pp 253-254.
104. Bhargava, D.S., "Matching River Quality to Use: Role of Monitoring, Zoning and Classification", *The Environmental Professional, The Official Journal of the National Association of Environmental Professionals*, (NAEP), USA, Vol. 7, Issue No.3 (Quarterly), 1985, pp 240-247.
105. Bhargava, D.S., "Remote Sensing for Air Pollution Monitoring," *Journal of the Institution of Public Health Engineers*, India, Vol. 1985, No. 3, Jul. -Sep., 1985, pp 34-38.
106. Bhargava, D.S., and Bhatt, D.J., "Model for Moving Media Reactor Performance," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 111, No.5, Paper No. 20058, Oct., 1985, pp 618-633.
107. Datar, M.T., and Bhargava, D.S., "Effect of Temperature on Kinetics of Solids Reduction During Aerobic Digestion," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 1, Oct., 1985, pp 19-24.
108. Pande, P.K., and Bhargava, D.S., "Variation Effects of Filtration Rate in Counter-current Horizontal Filtration," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 1, Oct., 1985, pp 25-27.
109. Bhargava, D.S., and Datar, M.T., "Reactor Capacity for Aerobic Digestion of Thickened Activated Sludge," *Asian Environment*, Philippines, Vol. 7, No.4, Fourth Quarter, 1985, pp 4-15.
110. Bhargava, D.S., S "Imaging Type Remote Sensing For Air Quality Control," sent to October 26-28, 1985, The First National Symposium on Remote Sensing, organized by Space and Astronomy Research Center And Agriculture and Water Resourcees Research Center, Baghdad, Iraq, but printed with Agrawal, M.M., in *Our-Earth* (a quarterly publication devoted to ecology and environment management), Vol. 10, No.2, Jun., 2013, p.15

111. Datar, M.T., and Bhargava, D.S., "Aerobic Treatment of Sludges," Current Pollution Researches in India," R.K. Trivedi & P.K. Goel, eds., *Environmental Publications*, Post Box No.60, Karad, 415 110, Maharashtra, India, 1985, pp 83-92.
112. Bhargava, D.S., "Status of Indian Resources Water Quality at Mid-Decade," Souvenir, at the January 6-9, 1986, International Conference on 'Water and Sanitation at Mid-Decade,' organized by the Institution of Public Health Engineers, India, held at Calcutta, India, *Conf. Proc.* pp
113. Datar, M.T., and Bhargava, D.S., "Modelling in Aerobic Digestion," presented at the January 9-13, 1986, International Conference : Environmental Pollution Control, organized by SVU College of Engineering, held at Tirupati, India, *Conf. Proc.* pp 1-10.
114. Bhargava, D.S., "Models for Polluted Streams Subject to Fast Purification," *Water Research, Journal of the International Association on Water Pollution Research and Control*, England, Vol. 20, No.1, Jan., 1986, pp 1-8.
115. Bhargava, D.S., "Remote Sensing Concepts and Applications", *Indian Surveyor, Journal of the Institution of Surveyors*, India, Vol. 27, No. 1, Jan., 1986, pp 67-79.
116. Bhargava, D.S., "Monographs for DO Sag Parameters in Streams," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 2, Feb., 1986, pp 39-44.
117. Datar, M.T., and Bhargava, D.S., "Effect of Initial BOD/COD Concentration on Kinetics of BOD/COD Reductions during Aerobic Digestion of Activated Sludge," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 2, Feb., 1986, pp 52-58.
118. Datar, M.T., and Bhargava, D.S., "Parameter's Correlation during Aerobic Digestion of Activated Sludge," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 2, Feb., 1986, pp 59-63.
119. Bhargava, D.S., "Quality Teaching in Undergraduate Civil Engineering Programmes," presented at the March 15-17, 1986, Seminar on Identification of Specialties and Need for Suitable Staff, organized by Government Engineering College, held at Ujjain, India, *Sem. Proc.* pp , and published in *Journal of the Institution of Public Health Engineers*, India, Vol. 2015-16, No. 2, Jul., 2015, pp 59-60.
120. Bhargava, D.S., "Monographs for Stream Pollution Assessment," presented at the April 26-27, 1986, First National Convention of Environmental engineers including Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore Local Centre, Jhansi Lakshmibi Road, Mysore, vide EN-135 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN3, Jun., 1986, pp 74-79.
121. Pande, P.K., and Bhargava, D.S., "Effluent Quality Modelling of A Counter-current Declining Rate Operated Horizontal Filter," presented at the April 26-27, 1986, First National Convention of Environmental engineers including Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore Local Centre, Jhansi Lakshmibi Road, Mysore, vide EN-139 and published in the *Journal of Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN3, Jun., 1986, pp 80-83.

122. Datar, M.T., and Bhargava, D.S., "Effect of Initial Solids Concentration on Aerobic Digestion Period of Low Concentration-Activated Sludge," presented at the April 26-27, 1986, First National Convention of Environmental engineers including Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore Local Centre, Jhansi Lakshmi Road, Mysore, vide EN-140 but published in the *Indian Journal of Environmental Health*, Vol. 30, No. 2, Apr.- Jun., 1988, pp 116-125.
123. Datar, M.T. and Bhargava, D.D., "Effect of Temperature on BOD and COD Reductions during Aerobic Digestion of Activated Sludge," presented at the April 26-27, 1986, First National Convention of Environmental engineers including Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at its Mysore Local Centre, Jhansi Lakshmi Road, Mysore, vide EN-147 but published in the *Journal of the Institution of Public Health Engineers*, India, Vol. 1988, No. 1, Jan.-Mar., 1988, pp 23-33
124. Pande, P.K., and Bhargava, D.S., "Variation Effects of Depth of Media in Horizontal Filtration," *Journal of Indian Water Works Association*, Vol. 18, No.2, Apr.-Jun., 1986, pp 167-169.
125. Bhargava, D.S., "DO Sag Model for Extremely Fast River Purification, *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 112, No.3, Paper No. 20696, Jun., 1986, pp 572-585. "Errata" in *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 113, No. 1, Feb., 1987, pp 221-222.
126. Bhargava, D.S., "Modelling for Compounded DO Sags," *Transactions of the Institution of Engineers*, Australia, Civil Engineering, Vol. CE-28, No.3, Jul., 1986, pp 222-230.
127. Pande, P.K., and Bhargava, D.S., "Variation Effects of Size of Media Grains in Horizontal Filtration," *Journal of the Institution of Public Health Engineers*, India, Vol. 1986, No. 3, Jul.-Sep., 1986, pp 1-4.
128. Bhargava, D.S., (Guide) "Biomonitoring for Ecological Impact Analysis: A Case Study of the Songkhla Lake of Thailand, Special Study, submitted by Mendeluz. B. Bautista, to the Environmental Engineering Division, *Asian Institute of Technology*, at Bangkok (Thailand), in August 1986, as part of Master of Technology Programme in Environmental Engineering.
129. Bhargava, D.S., and Pande, P.K., "Specific Deposit and Models of Horizontal Counter-Current Filtration," *Water Research, The Journal of the International Association on Water Pollution Research & Control*, England, Vol. 20, No.9, Sep., 1986, pp 1091-1104.
130. Pein, L.K., Ying, Mrs. W.C., and Bhargava, D.S., "Concepts and Technology of Environmental Information System," *Journal of the Institution of Public Health Engineers*, India, Vol. 1986, No. 4, Oct-Dec., 1986, pp 6-15.
131. Datar, M.T., and Bhargava, D.S., "Effect of Initial pH on Aerobic Digestion of Activated Sludge," *Indian Journal of Environmental Health*, Vol. 28, No.4, Oct.-Dec., 1986, pp 336-341.
132. Bhargava, D.S., "Closer" of the Discussion by A.S.Venugopalan on 'Monographs for DO Sag Parameters in Streams' by D.S. Bhargava (published in *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 66, Pt. EN2, Feb. 1986, p 39), *Journal of the Environmental Engineering Division, The Institution of Engineers*, India, Vol. 67, Pts. E.N 1 & 2, Oct. 1986 – Feb. 1987, p 32.

133. Bhargava, D.S., "Role of Consultants/ Designers in Industrially Caused Pollution Abatement," presented at the December 22- 24, 1986, National Seminar on Status & Growth Strategies of Chemical and Allied Industries (MS-SACOAAI-86'), organized by the Institutions of Engineers, India, U.P. State Centre, held at Lucknow, India *Sem. Proc.* pp II-13-II-14.
134. Gupta, M.S., Bhargava, D.S., and Varshney, B.S., "Removal of Hexavalent Chromium Concentration (Lower Range) From Industrial Waste by Adsorption," presented at the December 22- 24, 1986, National Seminar on Status & Growth Strategies of Chemical and Allied Industries (MS-SACOAAI-86), organized by the Institutions of Engineers, India, U.P. State Centre, held at Lucknow, India, *Sem. Proc.* pp IV-61-IV-64.
135. Bhargava, D.S., "Closure" of the Discussion on 'Expression for Drinking Water Supply Standards' by Devendra Swaroop Bhargava (*Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 111, No. 3, June, 1985, pp 304-316), by Professor Kazuyoshi Kawata and Associate Professor Vincent P. Oliveri, both of the John Hopkins University, Baltimore, USA, and "Errata," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 112, No. 6, Dec., 1986, pp 1168-1169.
136. Bhargava, D.S., "Air Pollution Control Strategy," Current Practices in Environmental Science and Engineering, an International Overviews Annual, Vol. 2, Alam Singh and U.S. Sharma, eds., *Geo-Environ Academia*, A-42, Shastri Nagar, Jodhpur, India, 1986, Art. E-9, pp 163-175.
137. Bhargava, D.S., "Legislative considerations for Small Industries for Pollution Abatement" presented at the January 16-18, 1987, National Seminar on Pollution Control of Industrial Effluents, organized by the Department of Civil Engineering, held at Lukhdiraj Engineering College, Morbi (Gujarat State), India. *Sem. Proc.* pp 78-81.
138. Bhatt, D.J., Bhargava, D.S., and Panesar, P.S., "Removal of Phenol from a Refinery Waste," presented at the January 16-18, 1987, National Seminar on Pollution Control of Industrial Effluents, organized by the Department of Civil Engineering, held at Lukhdiraj Engineering College, Morbi (Gujrat State) India, *Sem Proc.* pp 179-187.
139. Bhargava, D.S., (Guide), "Development of Extremely High Rate Filters," Ph.D Thesis presented by Pramod Kumar Pande to the Department of Civil Engineering, *University of Roorkee*, at Roorkee, in February 1987 in fulfillment of the requirements for the award of the degree of Doctor of Philosophy
140. Datar , M.T., and Bhargava, D.S., "Closure" of the Discussion by N. Sanyal on 'Effects on Initial BOD/COD on Kinetics of Reductions during Aerobic Digestion' by M.T. Datar and D.S. Bhargava (published in *Journal of Environment Engineering Division, Institution of Engineers, India*, Vol. 66, Pt. EN 2, Feb., 1986, p 52), *Journal of the Environmental Engineering Division , Institute of Engineers*, India, Vol. 67, Pts EN 1 & 2, Oct. 1986-Feb. 1987, p 33.
141. Datar , M.T., and Bhargava, D.S., "Closure" of the Discussion by N. Sanyal on 'Parameters Correlations during Aerobic Digestion' by M.T. Datar and D.S. Bhargava (published in *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 66, Pt. EN2, Feb., 1986, p 59), *Journal of the Environmental Engineering Division , Institute of Engineers*, India, Vol. 67, Pts EN 1 & 2, Oct. 1986-Feb. 1987, p 33.
142. Bhargava, D.S., "Remote Sensing: An Aid during War and Peace Times." *Journal of the Interdisciplinary Panels, Institution of Engineers*, India Vol. 67, Pt. IDP2, Feb., 1987, pp 54-58.

143. Bhargava, D.S., "A New Method of Evaluating Technological Research Teachers," *International Journal for Development Technology, International Centre for Technical Research*, England, Vol. 5, No.1, Mar., 1987, pp 27-38.
144. Gupta, M.S., and Bhargava, D.S., "Environmental Impacts from the Singrauli Power Generating Complex," *Encology, Monthly Magazine Devoted to Environment, Ecology & Energy Conservation*, India, Vol.1, No. 11, Apr., 1987, pp 1-7.
145. Pande, P.K., and Bhargava, D.S., "Headloss Variations in Counter-current Constant Rate Horizontal Filtration Employing Clay Turbidity," presented at the April 6-8, 1987, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Second National Convention of Environmental engineers at Nainital, Hosted by its Uttar Pradesh State Centre, River Bank Colony, Lucknow, vide EN-167 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 67, Pt. EN3, Jun., 1987, pp 35-37.
146. Gupta, M.S., Bhargava, D.S., and Varshney, B.S., "Removal of Chromium through Adsorption on Sawdust," presented at the April 6-8, 1987, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Second National Convention of Environmental engineers at Nainital, Hosted by its Uttar Pradesh State Centre, River Bank Colony, Lucknow, vide EN-206 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 67, Pt.EN3, Jun., 1987, pp 64-69.
147. Bhargava, D.S., "Water Treatment Plant Designs From a Better Technology," presented at the April 6-8, 1987, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Second National Convention of Environmental engineers at Nainital, Hosted by its Uttar Pradesh State Centre, River Bank Colony, Lucknow, vide EN-207 but published in the *Journal of the Indian Water Works Association*, Vol. 19, No. 3, Jul. - Sep., 1987, pp 171-174.
148. Bhargava, D.S., "Awareness and Education Towards a Better Environmental Control Technology," presented at the June 28-30, 1987, National Seminar on Environmental Impact : Issues, Challenges and Assessment, organized by the Department of Geography, Banaras Hindu University, held at Varanasi, India, *Sem. Proc.* pp 1-2,30-31.
149. Bhargava, D.S. "Rational and Accurate Stream BOD Prediction in A Complex Multi-wastewater-outfalls System," *Journal of the Environmental Engineering Division, Institutions of Engineers*, India. Vol. 67, Pt. EN 3, Jun., 1987, pp 50-54.
150. Gupta, M.S., and Bhargava, D.S., "Removal of Lead Through Adsorption on Sawdusts of Different Woods," *Research Journal of National Society for Pollution Free Environment*, Rampur, India, Vol. I, Nos. 1 & 2, Jul., 1987, pp 14-19.
151. Bhargava D.S., "Exploitability of the River Kali, the Most Polluted Tributary of the Ganges," *Asian Environment*, Philippines, Vol. 9, 3rd Quarter, 1987, pp 28-37.
152. Pande, P.K., and Bhargava, D.S., "Dependence of Maximum Headloss on the Initial Headloss in Counter-Current Operated Horizontal Filters," *Journal of the Institution of Public Health Engineers*, India, Vol. 1987, No. 3, Jul. Sep., 1987, pp 11-15.

153. Bhargava, D.S., "Role of Voluntary Organizations in Curbing Solid Waste Related Hazards," at the September 26-27, 1987, National Seminar on Management of Urban Solid Waste, organized by the Institution of Engineers, India, Tamilnadu State Centre, University of Madras & Indian Notational Trust for Art and Cultural Heritage, held at Madras, India, *Sem. Proc.* pp , also published as editorial in *Indian Journal of Environmental Protection*, Vol. 33, No.5, May, 2013, p.viii (editorial page), and also printed in July 2013 with Agrawal. M.M., in *Our earth* (a quarterly publication devoted to ecology and environment management), Vol.10, No.1, March, 2013, p.12
154. Swamy M.M., and Bhargava, D.S., "Technology of the Biogas," *Encology, Monthly Magazine Devoted to Environment, Ecology & Energy Conservation*, India, Vol. 2, No. 4, Sep., 1987, pp 21-33.
155. Pande, P.K., and Bhargava, D.S., "Dependence of Filtration Rate on the Media size in Counter-Current Operated Horizontal Filters," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN1, Oct., 1987, pp 20-22
156. Dongmei, Ms. Yu, and Bhargava, D.S., "Solid Waste Quality Changes and Management in China," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN1, Oct., 1987, pp 23-28.
157. Bhargava, D. S., "Nature and the Ganga," *Environmental Conservation, The Scientific Journal Devoted to Global Survival*, Geneva, Switzerland, Vol. 14, No. 4, Winter, 1987, pp 307-318 & 328.
158. Bhargava, D.S., Gupta, M.S., and Varshney, B.S., "Use of Sawdust for the Adsorption of Heavy Metals," *Asian Environment*, Philippines, Vol. 9, No.4, 1987, pp 29-37.
159. Datar, M.T., and Bhargava D.S., "Optimal Operation of Aerobic Digestion Rectors," *Journal of the Institution of Public Health Engineers*, India, Vol. 1987, No. 4, Oct. –Dec., 1987, pp 1-13.
160. Bhargava, D.S., and Datar, M.T., "Progress and Kinetics of Aerobic Digestion of Secondary Sludges," *Water Research, The Journal of the International Association on Water Pollution Research & Control*, England, Vol. 22, No.1, Jan., 1988, pp 37-47.
161. Bhargava, D.S., and Killedar, D.J., "The Technology of Water Reuse in Industries - A Rational Approach, presented at the 20th Annual Convention of Indian Water Works Association held at Indore during 10 to 14 February 1988, also published in *Journal of the Indian Water Works Association*, Vol. 20, No. 1, Jan.-Mar., 1988, pp 107-109
162. Liao, W.Li, Bhargava, D.S., and Das, Ms. J., "Some Effects of Dams on Wildlife," Short Communication, *Environmental Conservation, The Scientific Journal Devoted to Global Survival*, Geneva, Switzerland, Vol. 15 , No.1, Spring, 1988, pp 68-70.
163. Killedar, D.J., and Bhargava, D.S., "An Overview of Defluoridation Methods (Part I)," *Journal of the Institution of Public Health Engineers*, India, Vol. 1988, No.1, Jan.-Mar., 1988, pp 6-13.
164. Datar, M.T., and Bhargava, D.S., "Effects of Environmental Factors on Nitrification during Aerobic Digestion of Activated Sludge," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN2, Feb., 1988, pp 29-35.
165. Singh, P. K., Singh, H. S., and Bhargava, D. S., "The Technology of Low Cost Sanitation," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN2, Feb., 1988, pp 55-64.

166. Bhargava, D.S., "Closure" to the Discussion on 'DO Sag Model for Extremely Fast River Purification' by Devendra Swaroop Bhargava (Journal of Environmental Engineering, American Society of Civil Engineers, Vol. 113, June 1986, pp 572-585) by Sr. Asstt. Vijay Joshi and Lecturer Prasad M. Modak both of the Ctr. for Envir. Sci. and Engrs., I.I.T., Bombay, India, *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 114, No. 1, Feb., 1988, pp 239-241.
167. Anand, T., and Bhargava, D.S., "Environmental Quality Impacts on Tourism," *Encology, Monthly Magazine Devoted to Environment, Ecology & Energy Conservation*, India, Vol. 2, No. 10, Mar., 1988, pp 18-26.
168. Bhargava, D.S., Killedar, D.J., and Mariam, D. "Monitoring of Aquatic Environmental System" presented at the April 1-2, 1988, Seminar on Sensors for Environmental Monitoring, organized by the Institution of Engineers, India, Roorkee Local Centre and University of Roorkee, Roorkee, held at Roorkee, *Proc. p. 10 (Abst.)*
169. Killedar, D.J., and Bhargava, D.S., "An Overview of Defluoridation Methods (Part II)," *Journal of the Institution of Public Health Engineers*, India, Vol. 1988, No.2, Apr.-Jun., 1988, pp 37-44.
170. Gupta, M.S., Bhargava, D.S., and Varshney, B.S., "Removal of Cadmium from Wastes through Adsorption on Sawdust," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN 3, Jun., 1988, pp 69-72.
171. Bhargava, D.S., "Natural Purification Capacity of Rivers," *Jal Vigyan Sameeksha*, a publication of High Level Technical Committee on Hydrology, 1st Issue, Vol. III, No. 1, Jun., 1988, pp 125-128.
172. Bhargava, D.S., and Varshney, B.S., (Guides), "Removal of Cadmium and Lead from Effluents by Adsorption in a Moving Media Reactor," Ph.D. Thesis by M.S. Gupta for the Department of Civil Engineering, *University of Roorkee* at Roorkee, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy (disputed).
173. Bhargava, D.S., "Aestheticity of Re-using Wastewater Effluents for Irrigating Public Parks" presented at the October 14-17, 1988, National Seminar on Environmental Management in Hill and Tribal Areas, organized by NAGI, GSNEHR and Department of Geography, held at North-Eastern Hill University (NEHU), Shillong, India, Sem. *Proc. p 39*.
174. Bhargava, D.S., "Water Quality Management Techniques for the Dal Lake of Srinagar (J & K)," presented as the Key Note Address at the November 24, 1988 (10:30 hrs.), National Conference on Management of Lakes & Inland Water Bodies, organized by the IPHE, India, at Hotel Holiday Resort, at Chakaratirtha Road, Puri, *Proc. pp.24-27*, also published in *Journal of the Institution of Public Health Engineers*, India, Vol. 1989, No. 3, Jul.-Sep., 1989, pp 15-19
175. Bhargava, D.S., "Design of an Innovative Toy Water Treatment Plant in a Power-Scarcity Location," *Asian Environment, Philippines, Journal of Environmental Science and Technology for Balanced Development*, Vol. 10, No. 4, 4th Quarter, 1988, pp 65-75.
176. Gong, Ms. Chen, and Bhargava, D.S., "Biological Accumulation and Magnification of Organochlorine Compounds in the Marine Environment," *Journal of the Institution of Public Health Engineers*, India, Vol. 1989, No. I, Jan.-Mar., 1989, pp 5-9.

177. Bhargava, D.S., and Ojha, C.S.P., "Monographs for the Design of Rapid Gravity Filter Beds," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 69, Pt.EN2, Feb., 1989, pp 37-38.
178. Bhargava, D.S., and Rajagopal, K., "A Rational Approach for the Design of Primary Settling Tanks," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 69, Pt.EN2, Feb., 1989, pp 39-41.
179. Pande, P.K., and Bhargava, D.S., "Effect of Influent Turbidity on the Filtration Rate of Counter-current Operated Horizontal Filters," presented at the February 25-26, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fourth National Convention of Environmental Engineers at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide Abstract EN-217 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 70, Pt.EN1, Jun., 1989, pp 4-5.
180. Soontrapa, Ms. K., and Bhargava, D.S., "Management of Air Pollution in Thailand," presented at the February 25-26, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fourth National Convention of Environmental Engineers at its Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur, vide Abstract EN-233 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 71, Pt. EN 3, Jun., 1990, pp 13-18.
181. Rajagopal, K. and Bhargava, D.S., "Water Bodies : Role of Sedimentation," sent to the Seminar on Nature, Technology and Society, organized by the Department of Humanities and Social Sciences, University of Roorkee, Roorkee during April 3-5, 1989, but published with additional name of Agarwal, M.M., in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 9, No.2, Jun., 2012, pp.20-21.
182. Killedar, D.J. and Bhargava, D.S., "Fluoride Pollution : Effects and Remedies," sent to the Seminar on Nature, Technology and Society, organized by the Department of Humanities and Social Sciences, University of Roorkee, Roorkee during April 3-5, 1989, but published in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 9, No. 4, Dec., 2012, p.1
183. Mariam, D. W. and Bhargava, D.S., "Monitoring of Environmental Components by Remote Sensing Techniques," sent to the Seminar on Nature, Technology and Society, organized by the Department of Humanities and Social Sciences, University of Roorkee, Roorkee during April 3-5, 1989, but published in the *Journal of the Institution of Public Health Engineers, India*, Vol. 2013-14, No.3, Oct., 2013, pp.10-11.
184. Bhargava, D.S., and Ojha, C.S.P., "Theoretical Analysis of Backwash Time in Rapid Sand Filters," *Water Research, England*, Vol. 23, No.5, May, 1989, pp 581-587.
185. Bhargava, D.S., and Datar, M.T., "An Analysis of Nitrification during the Aerobic Digestion of Secondary Sludges," *Environmental Pollution, England*, Vol. 58, No. 1, Jun., 1989, pp 57-72.
186. Chang, Jae Soo, and Bhargava, D.S., "Plastics in the Marine Environment," *Sci.-Tech., Focus*, Vol. 2, Nos. 1 & 2, Jun. –Sep., 1989, pp 29-31.

187. Bhargava, D.S., "Pseudoism in Engineering and Environmental Technology, at the September 23-24, 1989, 5th National Conventional of Environmental Engineers and Seminar on Environmental Engineering for Sustainable Development, organized by the Intuition of Engineers (India), Tamilnadu State Centre, Madras, *Proc.* pp . and published as Editorial in the *Indian Journal of Environmental Protection*, Vol. 35, No.3, May, 2015, pp. vii-viii (Editorial pages).
188. Rajagopal, K., and Bhargava, D.S., "Methodology to Obtain the Settling Velocity Analysis Curve for Mixed Primary Solids," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-264 and published in the *Journal of The Environmental Engineering Division, Institution of Engineers*, India, Vol. 72, Pt. EN2, Oct., 1991, pp 28-30.
189. Bhargava, D.S., and Gong, Ms. Chen, "Environmental Impacts of Pesticides Use in Asia and Management in China," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-265, also presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-265 but published in the *Journal of the Institution of Public Health Engineers*, India, Vol. 1991, No. 3, Jul.-Sep., 1991, pp 18-32.
190. Tuyen, Bui Cach and Bhargava, D.S., "Dispersion of Herbicides and Related Impacts on the Environment," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-266 also presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-266 but published in the *Indian Journal of Environmental Protection*, Vol. 11, No. 8, Aug., 1991, pp 608-613.
191. Bhargava, D.S. and Dejene, W.M., "Water Quality Monitoring Using Remote Sensing Technique," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-269 also presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-269 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 71, Pt. EN2, Oct., 1990, pp 34-38.

192. Bhargava, D.S., and Rajagopal, K., "Settlement Studies on Alum Flocc," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-270 and published in the *Journal of Environmental Engineering Division, Institution of Engineers, India*, Vol 70, Pt. EN3, Feb., 1990, pp 39-43.
193. Killedar, D.J. and Bhargava, D.S., "Feasibility of Fluoride Adsorption on Bone Charcoal," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-275 and published in the *Journal of Environmental Engineering Division, Institution of Engineers, India*, Vol 70, Pt. EN3, Feb., 1990, pp 47-49.
194. Danteravanich, Ms Somtip, and Bhargava, D.S., "Hazardous Wastes Generation and Management in Hospitals," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-277 also presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-277 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 71, Pt. EN 2, Oct., 1990, pp 44-51.
195. Rajagopal, K., and Bhargava, D.S., "Suspended Solids Prediction through Turbidity Measurements," presented at the September 23-24, 1989, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Fifth National Convention of Environmental Engineers at its Tamil Nadu State Centre, 19 Swami Sivananda Road, Cheapuk, Madras, vide Abstract EN-278 and published in the *Journal of Environmental Engineering Division, Institution of Engineers, India*, Vol 70, Pt. EN3, Feb., 1990, pp 50-52.
196. Bhargava, D.S., and Rajagopal, K., "Nomograms for Settling Velocity of Discrete Particles," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 70, Pt. EN2, Oct., 1989, pp 19-20.
197. Bhargava, D.S. and Ojha, C.S.P., "Monographs for Initial Headloss in Rapid Sand Filters," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 70, Pt. EN2, Oct., 1989, pp 21-22.
198. Viet, Nguyen Trung, and Bhargava, D.S., "Water Quality and Management of the Saigon River in Hochi Minh City (Vietnam)," *Indian Journal of Environmental Health*, Vol. 31, No.4, Oct.-Dec., 1989, pp 321-330.
199. Rajagopal, K., and Bhargava, D.S., "Settleability Studies on Iron Flocc," *Journal of the Indian Water Works Association*, Vol. 21, No.4, Oct.-Dec., 1989, pp 327-332.

200. Shrihari, S., and Bhargava, D.S., "Sediment Oxygen Demand Requirements," at the December 17, 1989, 69th Annual General Meeting of the Institution of Engineers, India, Uttar Pradesh State Centre, held at Lucknow, *Proc. 69th Annual Number, Technical Papers*, pp 81-97.
201. Bhargava, D.S., "Remote Sensing in Public Health Engineering", presented at the December 21-23, 1989, (as Opening Session Chairman Address), National Symposium on Engineering Application of Remote Sensing and Recent Advances, organized by the Indian Society of Remote Sensing, Indore Chapter, held at SGS Institute of Technology and Science, Indore, India, *Proc.* and published in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 12, No. 4, Dec., 2015, pp.21-24 and also published in the *Indian Journal of Environmental Protection*, Vol. 36, No.4, Apr., 2016, pp. 344-346.
202. Mariam, D.W., and Bhargava, D.S., "Environmental Impact Identification and Assessment using Remote Sensing Technique", at the December 21-23, 1989, National Symposium on Engineering Application of Remote Sensing and Recent Advances, organized by the Indian Society of Remote Sensing, Indore Chapter, held at SGS Institute of Technology and Science, Indore, India, *Proc.* and published as A short write up on in the *Journal of the Institution of Public Health Engineers, India*, Vol. XXXIV, 2016-2017, No. 1, Apr., 2016, p.43.
203. Bhargava, D.S., "Indexing for Soil and Land Uses and Management," presented as Keynote Opening Session Chairman Address, at the December 23-25, 1989, All India Seminar on Natural Resource Utilization and Environmental Appraisal, organized by the Department of Geology, Ravishankar, University, held at Raipur, India, *Proc.* and published as Editorial in the *Indian Journal of Environmental Protection*, Vol. 35, No.3, Mar., 2015, pp. vii-viii (Editorial pages).
204. Bhargava, D.S., and Rajagopal, K., "Modelling for Class-I Sedimentation," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 115, No.6, Paper No. 24147, Dec., 1989, pp 1191-1199.
205. Bhargava, D.S., and Mariam, Dejene W., "Spectral Reflectance Relationships to Turbidity Generated by Different Clay Materials," *Photogrammetric Engineering and Remote Sensing, Journal of the American Society of Photogrammetry and Remote Sensing*, Vol. 55, No. 2, 1990, pp 225-229.
206. Bhargava, D.S., and Ojha, C.S.P., "A New Strategy of Preventing the Groundwater Pollution," at the April 24-27, 1990, Water and Wastewater '90 Conference (Technical Session: Groundwater Pollution & Environmental Management), organized by Publishers of Water and Wastewater International, at Barcelona, Spain, *Conf. Proc.* Pp , also published in the *Journal of the Institution of Public Health Engineers, India*, Vol. 2013-14, No. 4, Jan. 2014, pp. 36-38 with ERRATA in the *Journal of the Institution of Public Health Engineers, India*, Vol. 2014-15, No. 2, Jul., 2014, pp. 56.
207. Bhargava, D.S. "Engineered Unemployment ?", (Investigating the Causes and Remedies), *Indian Architect & Builder*, Vol. 3, No.8, Apr., 1990, pp 68-69.
208. Pande, P.K., and Bhargava, D.S., "Variations in the Time Rate of Maximum Specific Deposits in Counter-current Operated Horizontal Filters," *Indian Journal of Environmental Health*, Vol. 32, No. 1, Apr., 1990, pp 124-131.

209. Bhargava, D.S., "The message of the World Environment Day", delivered as the Key Note Address on the World Environment Day, organized by the Institutions of Engineers, India, Madhya Pradesh State Centre, Bhopal on Tuesday, the 5th June, 1990 at 18:30 hrs., also published in *the Institution of Engineers (India), U.P. State Centre News Letter*, Lucknow, Vol. 11, Jul.& Aug., 1993, p
210. Bhargava, D.S., Saxena, B.S., and Dewakar, "A Study of the Geopollutants in the Godavary River Basin of India," *Asian Environment*, Philippines, Vol. 12, No. 2, 2nd quarter, 1990, pp 36-59.
211. Bhargava, D.S., (Guide), "Modelling for Design of Sedimentation Operations," Ph.D. Thesis presented by K. Rajagopal to the Department Civil Engineering, *University of Roorkee* at Roorkee, in May 1990, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
212. Bhargava, D.S., and Rajagopal, K., "Modelling in Zone Settling for Different Types of Suspended Materials," *Water Research*, England, Vol. 24, No. 6, Jun., 1990, pp 675-683.
213. Bhargava, D.S., (Guide), "Defluoridation Studies with Fishbone Charcoal in Different Adsorption Systems," Ph.D. Thesis presented by Deepak J. Killedar to the Department of Civil Engineering, *University of Roorkee* at Roorkee, in July 1990, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
214. Bhargava, D.S., and Ojha, C.S.P., "Flocculation During Water Transport," *Indian Journal of Environmental Health*, Vol. 32, No.3, Jul., 1990, p 225-229.
215. Bhargava, D.S., (Guide), "Relation of Environmental and Water Quality Parameters using Remotely Sensed Data," Ph.D. Thesis, presented by Dejene Wolde Mariam to the Department of Civil Engineering, *University of Roorkee* at Roorkee, in August 1990, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
216. Bhargava, D.S., and Ojha, C.S.P., "Genesis of Free Hydraulic Jumps for Better Mixing", *Water Research*, England, Vol. 24, No. 8, Aug., 1990, pp 1003-1010.
217. Bhargava, D.S., and Rajagopal, K., "Modelling of Thickener Area for Aluminium Hydroxide Floc," presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-294 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 73, Pt. EN1, Jun., 1992, pp 15-18.
218. Rajagopal, K., and Bhargava, D.S., "Alternate Analysis of Class-I Sedimentation," presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-300 and published in the *Journal of the Institutions of Engineers, India, Environmental Engineering Division*, Vol. 73, Pt. EN3, Feb., 1993, pp 53-58.

219. Bhargava, D.S., and Ojha C.S.P., "A Unified Rational Model for Initial Headloss in Rapid Gravity Filters," presented at the September 7-9, 1990, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Sixth National Convention of Environmental Engineers at its Ranchi Local Centre, Ranchi, vide Abstract EN-304 and published in the *Journal of the Environmental Engineering Division, the Institution of Engineers*, India, Vol. 72, Pt. EN1, Jun., 1991, pp 1-3.
220. Bhargava, D.S., "Recent Developments In Water Treatment Practices," *Civil Engineering and Construction Review, Special Issue of Water and Wastewater Disposal*, Vol. 3, No. 10, Oct., 1990, pp 19-21.
221. Bhargava, D.S., "Complete Design of A 1.63 mld Water Treatment Plant in a Power Scarcity Location," *Journal of the Institution of Public Health Engineers*, India, Vol. 1990, No. 4, Oct.- Dec., 1990, pp 8 -23.
222. Bhargava, D.S., and Ojha, C.S.P., "Rational Design of Washwater Gutters," *Civil Engineering Transactions, The Institution of Engineers*, Australia, Vol. CE 32, No. 4, Dec., 1990, pp 178-186.
223. Bhargava, D.S., and Ojha, C.S.P., "A New and Rational Model for Backwash Velocity," *Civil Engineering Transactions, The Institution of Engineers*, Australia, Vol. CE 32, No. 4, Dec., 1990, pp 187-198.
224. Pande, P.K., and Bhargava, D.S., "Dependence of the Filtration Rate on the Inlet Head (A) and the Effects of Variation in it (B) in Counter-current Operated Horizontal Filters," *Journal of the Indian Water Works Association*, Vol. 23, No. 1, Jan.-Mar., 1991, *Proc.* pp 77-84.
225. Rajagopal, K., and Bhargava, D.S., "Settleability Studies on Sugar Mill Waste," *Indian Journal of Environmental Health*, Vol. 33, No. 1, Jan., 1991, pp 51-58.
226. Bhargava, D.S., and Mariam D.W., "Effects of Suspended Particle Size and Concentration on Reflectance Measurements," *Photogrammetric Engineering and Remote Sensing, American Society for Photogrammetry and Remote Sensing*, Vol. 57, No. 5, May, 1991, pp 519-527.
227. Bhargava D.S., and Killedar, D.J., "Comparison of Fluoride Removal Efficiencies of Fishbone and Animalbone Charcoals," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vo. 72, Pt. EN 1, Jun., 1991, pp 9-11.
228. Bhargava, D.S., and Killedar, D.J., "Optimal Sorbent Mass Input Rates during Adsorption in a Moving Media Reactor," *Water Research*, England, Vol. 25, No. 8, Aug., 1991, pp 953-958.
229. Bhargava D.S. "Index Based Management Strategy for Industrial Wastewaters," at the September 16-18, 1991, the Third Industrial Wastewater Seminar, organized by the Department of the Environment, held at Tehran, Iran, *Proc.* also published in *Indian Journal of Environmental Protection*, Vol.33, No.10, Oct., 2013, pp.869-871.
230. Bhargava, D.S., and Killedar, D.J., "Batch Studies Of the Water Defluoridation Using Fishbone Charcoal," *Research Journal of Water Pollution Control Federation*, USA, Vol. 63, No. 6, Sept./Oct., 1991, pp 848-858.
231. Bhargava, D.S., and Ojha, C.S.P., "A New Graphical Solution, to the Pipe Flow Problems," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 72, Pt. EN2, Oct., 1991, pp 31-33.

232. Bhargava, D.S., and Killedar, D.J., "Judgement of Equilibrium Time During Adsorption-A Rational Approach," *Indian Journal of Environmental Health*, Vol. 33, No. 4, Oct., 1991, pp 464-480.
233. Bhargava, D.S., and Sheldarkar, S.B., "Phosphate Adsorption on the Tamarind Nutshell Based Activated Carbon," presented at the October 29, 1991, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at Mangalore , vide Abstract EN-307 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 75, Aug., 1994, pp 1-6.
234. Rajagopal, K., and Bhargava, D.S., "Monographs for Design of Class-II Clarifiers", presented at the October 29, 1991, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at Mangalore , vide Abstract EN-312 and published in the *Journal of the Institution of Engineers*, India, *Environmental Engineering Division*, Vol. 74, Aug., 1993, pp 4-8.
235. Bhargava, D.S., and Killedar, D.J., "Effect of Sorbent Mass Input Rate on Fluoride Removal by Fishbone Charcoal in a Moving Media Reactor," presented at the October 29, 1991, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at Mangalore , vide Abstract EN-319 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 75, Aug., 1994, pp 13-16
236. Bhargava, D.S., Rajagopal, K., and Mariam, D.W., "Turbidity Predictions from Suspension's Concentrations and Characteristics" presented at the October 29, 1991, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at Mangalore , vide Abstract EN-348 but published in the *Indian Journal of Engineering and Materials Sciences*, Vol. 2, Oct., 1995, pp 217-220.
237. Bhargava, D.S., and Rajagopal, K., "Floc Setting Characteristics of Different Types of Wastes," presented at the October 29, 1991, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India at Mangalore , vide Abstract EN-349 and published in the *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 75, Aug., 1994, pp 19-23.
238. Bhargava, D.S., and Mariam, D.W., "Light Penetration Depth, Turbidity and Reflectance Related Relationships and Models," *ISPRS Journal of Photogrammetry and Remote Sensing*, FR Germany, Vol. 46, 1991, pp 217-230.
239. Tyagi, Ms. B., Bhargava D.S., Shrihari, S., and Gakkhar, Mrs. S., "Ecology in Environmental Modelling," presented at the December 20-24, 1991, 6th Indian Engineering Congress, (Transdisciplinary Premises of Ecology and Environment), held at Pune, India, *Cong. Proc.* pp 138-142.
240. Shrihari, S., and Bhargava, D.S., "Benthal Sludge Deposits-Hiding Pollutants in Riverine Ecosystems," presented at the December 20-24, 1991, 6th Indian Engineering Congress, (Transdisciplinary Premises of Ecology and Environment), held at Pune, India, *Cong. Proc.* pp 341-345.
241. Bhargava, D.S., "Pseudoism in the Technology of Environmental Pollution Control," presented at the December 20-24, 1991, 6th Indian Engineering Congress, (Transdisciplinary Premises of Ecology and Environment), held at Pune, India, *Cong. Proc.* pp 374-375.

242. Bhargava, D.S., "Key Strategy for Effective Water Pollution Control," presented as theme paper at the December 29-31, 1991, National Seminar on Environmental Pollution and Strategies for Pollution Control, organized by the Environmental Engineering Section, Department of Civil Engineering, Government Engineering College, held at Ujjain, *Proc.* pp 7-9.
243. Shrihari, S., and Bhargava, D.S., "Rational Approach, for Emission Standards," presented at the December 29-31, 1991, National Seminar on Environmental Pollution and Strategies for Pollution Control, organized by the Environmental Engineering Section, Department of Civil Engineering, Government Engineering College, held at Ujjain, *Proc.* p 29 (Abst.), full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 7, No.2, Jun., 2010, pp.21-22.
244. Sheldarkar, S.B., Shrihari, S and Bhargava, D.S., "Low Cost Phosphorus Removal by TNSAC," presented at the December 29-31, 1991, National Seminar on Environmental Pollution and Strategies for Pollution Control, organized by the Environmental Engineering Section, Department of Civil Engineering, Government Engineering College, held at Ujjain, *Proc.* p 30 (Abst.), full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 8, No.1, Mar., 2011, pp.16-17.
245. Bhargava, D.S., and Sheldarkar, S.B., "Effects of Adsorbent Dose and Size on Phosphate-Removal from Wastewaters," *Environmental Pollution*, England, Vol. 76, No. 1, 1992, pp 51-60.
246. Shrihari, S., and Bhargava, D.S., "Variation Effects of Benthic Sludge Depths on Oxygen Consumption in Overlying Waters," *Indian Journal of Environmental Health*, Vol. 34, No.1, Jan., 1992, pp 20-27.
247. Bhargava, D.S. and Rajagopal, K., "Simplified Procedure for Calculating Particle Settling Velocities," *Proc. of the Institution of Civil Engineers, U.K., Journal of the Water, Maritime and Energy*, Vol. 96, Mar., 1992, pp 55-57.
248. Chan, Tik-Yuen, and Bhargava, D.S., "Toxicological Effects of Cadmium on the Marine Biota," *Indian Journal of Environmental Protection*, Vol. 12, No.3, Mar., 1992, pp 161-165.
249. Shrihari, S., and Bhargava, D.S., "Variation in Oxygen Consumption in Simulated Streams Due to Benthic Sludge Decomposition Rate Constant," *Indian Journal of Environmental Health*, Vol. 34, No. 2, Apr., 1992, pp 93-102.
250. Tiwaree, R.S., and Bhargava, D.S., "Trace Metals (Cd, Pb, and Hg) in the Environment," *Indian Journal of Environmental Protection*, Vol. 12, No.4, Apr., 1992, pp 241-250.
251. Bhargava, D.S., "Why the Ganga (Ganges) Could Not Be Cleaned", *Environmental Conservation*, Switzerland, Vol. 19, No. 2, 1992, pp 170-172.
252. Yuen, Chen Tik, and Bhargava, D.S., "Environmental Aspects of Nuclear Power Plants -Part I: Introduction, Role and Environmental Impacts," *Journal of the Institution of Public Health Engineers*, India, Vol. 1992, No.2, Apr.-Jun., 1992, pp 19-34.
253. Bhargava D.S., and Killedar, D.J., "Fluoride Adsorption on Fishbone Charcoal through a Moving Media Adsorber," *Water Research*, England, Vol. 26, No.6, Jun., 1992, pp 781-788.
254. Park, Hee-Jung, and Bhargava, D.S., "Environmental Impacts of Solid Waste Incineration," *Indian Journal of Environmental Protection*, Vol. 12, No.6, Jun., 1992, pp 401-408.

255. Bhargava, D.S., and Killedar, D.J., "Effect of Variation in Sorbate Flow Rate and Sorbate Concentration on Fluoride Removal by Fishbone Charcoal in a Moving Media Reactor," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 73, Pt. EN1, Jun., 1992, pp 11-14.
256. Bhargava, D.S., and Mariam, D.W., "The Effect of Variation in Suspended Sediment Properties on Reflectance Measurements," *Photonirvachak Journal of the Indian Society of Remote Sensing*, Vol. 20, Nos. 2 & 3, Jun. & Sep., 1992, pp 139-152.
257. Bhargava, D.S., "The Sixth Sense (Remote Sensing in Civil Engineering)," *Indian Architect and Builder*, Vol. 5, No. 11, Jul., 1992, pp 58-61.
258. Bhargava, D.S., and Rajagopal, K., "An Integrated Expression for Settling Velocity of Particles in Water," T.N., *Water Research*, England, Vol. 26, No.7, Jul., 1992, pp 1005-1008.
259. Shrihari, S., and Bhargava, D.S., "Variation Effects of the Height of Overlying Water and Benthic Sludge Depth on Oxygen Consumption in Streams", *Indian Journal of Technology*, (CSIR), Vol. 30, Jul. 1992, pp 331-335.
260. Yuen, Chen Tik, and Bhargava, D.S., "Environmental Aspects of Nuclear Power Plants –Part II : Reliability and Accidents, Control Technology and Future," *Journal of the Institution of Public Health Engineers*, India, Vol. 1992, No.3, Jul.-Sep., 1992, pp 11-19.
261. Srivastava, R., and Bhargava, D.S., "Water Conservation through Wastewater Reuse in Industries," presented at the September 25-26, 1992, Seminar/Workshop on Water Conservation and Public Awareness, organized by the Institution of Engineers, India, Roorkee Local Centre, held at Roorkee, *Proc.* pp 121-128.
262. Bhargava, D.S., and Ojha, C.S.P., "Headloss Prediction in Operating Rapid Sand Filters," *Australian Civil Engineering Transactions, The Institution of Engineers*, Australia, Vol. CE34, No. 3, Sep., 1992, pp 237-245.
263. Bhargava, D.S., "River BOD Prediction Under Non-Point, Discharge Conditions", presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-296 but published in the *Indian Journal of Engineering & Materials Sciences*, Vol. 1, Feb, 1994, pp 35-40.
264. Bhargava, D.S., and Ojha, C.S.P., "Optimum Backwashing of Rapid Sand Filter Beds", presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-298 and published in the *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol., 74, Aug., 1993, pp 1-3.
265. Bhargava, D.S., and Killedar, D.J., "Water Defluoridation with Fish Bone Charcoal", presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-309 and published in the *Journal of the Institutions of Engineers, India, Environmental Engineering Division*, Vol. 73, Pt. EN3, Feb., 1993, pp 59-64.

266. Bhargava, D.S., Pande, P.K., and Ojha, C.S.P., "Model Development for the Filter Effluent Quality", presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-310 but published in the *Indian Journal of Engineering & Materials Sciences* (CSIR) Vol. 1, Aug., 1994, pp 213-216.
267. Bhargava D.S., and Mariam D.W., "Effects of Particle Sizes on the Turbidity Evaluation," presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-320 and published in the *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 74, Feb., 1994, pp 27-34.
268. Shrihari, S., and Bhargava, D.S., "Effect of Benthic Sludge on Oxygen Consumption in Streams" presented at the October 30-31, 1992, Annual Paper Meeting of the Environmental Engineering Division, of the Institution of Engineers, India Concurrently with the Eight National Convention of Environmental Engineers at its Allahabad Local Centre, Allahabad, vide Abstract EN-351 but published in the *Indian Journal of Engineering and Materials Sciences*, Vol. 2, Dec., 1995, pp 268-272.
269. Halwala, M.M., and Bhargava, D.S., "Environmental Aspects of Nuclear Power Plants-Part III: Radioactivity in Ocean and Impact on the Marine Biota," *Journal of the Institution of Public Health Engineers*, Vol. 1992, No. 4, Oct.-Dec., 1992, pp 13-17.
270. Bhargava, D.S., and Mariam, D.W., "Cumulative Effects of Salinity and Sediment Concentration on Reflectance Measurements," *International Journal of Remote Sensing*, England, Vol. 13, No. 11, 1992, pp 2151-2159.
271. Kumar, Pramod, and Bhargava, D.S., "Quality Control of Rural Water Supplies," *Journal of the Indian Water Works Association*, Vol. 37, No. 1, Jan.-Mar., 1993, pp 93-95.
272. Kumar, Pramod, Srivastava, Rajnish, and Bhargava, D.S., "Privatisation of Indian Water Supplies - necessity or solution?" *Journal of the Indian Water Works Association*, Vol. 37, No. 1, Jan.-Mar., 1993, pp 129-131.
273. Srivastava, Rajnish, and Bhargava, D.S., "Filtration Mechanisms: An Overview and Analysis," *Journal of the Institution of Public Health Engineers*, India, Vol. 1993, No. 1, Jan. - Mar., 1993, pp 1-20.
274. Rajagopal, K., and Bhargava, D.S., "Analysis of Class-II Settling Column Data for Domestic Wastewater," *Journal of the Institutions of Engineers, India, Environmental Engineering Division*, Vol. 73, Pt. EN3, Feb., 1993, pp 65-69.
275. Bhargava, D.S., and Sheldarkar, S.B., "Use of TNSAC in Phosphate Adsorption Studies and Relationships. Literature, Experimental Methodology, Justification and Effects on Process Variables", *Water Research*, England, Vol. 27, No.2, Feb., 1993, pp 303-312.
276. Bhargava, D.S., and Sheldarkar, S.B., "Use of TNSAC in Phosphate Adsorption Studies and Relationships. Effects of Adsorption Operating Variables and Related Relationships" *Water Research*, England, Vol. 27, No.2, Feb., 1993, pp 313-324.

277. Bhargava, D.S., and Sheldarkar, S.B., "Use of TNSAC in Phosphate Adsorption Studies and Relationships. Isotherm Relationships and Utility in the Field", *Water Research*, England, Vol. 27, No.2, Feb., 1993, pp 325-335.
278. Bhargava, D.S., and Rajagopal, K., "Differentiation Between Transition Zone and Compression in Zone Settling", *Water Research*, England, Vol. 27, No. 3, Mar., 1993, pp 457-463.
279. Bhargava, D.S., and Ojha, C.S.P., "Models for Design of Flocculating Baffled Channels", *Water Research*, England, Vol. 27, No. 3, Mar., 1993, pp 465-475.
280. Kumar, Pramod, Rastogi, S., Agarwal, R., Shrivastava, R., and Bhargava, D.S., "Computerization of Water Treatment Plants", *Indian Journal of Environmental Protection*, Vol. 13, No.3, Mar., 1993, pp 176-178.
281. Killendar, D.J., and Bhargava, D.S., "Effects of Stirring Rate and Temperature on Fluoride Removal by Fishbone Charcoal," *Indian Journal of Environment Health*, Vol. 35, No. 2, Apr., 1993, pp 81-87.
282. Bhargava, D.S., "Desired Policies for Sick Dal Lake Water Quality Upgradation", presented at the June. 7-9, 1993, Fourth National Water Convention, sponsored by Ministry of Water Resources, Government of India, and organized by National Water Development Agency, Government of Kerala, Indian Water Resources Society, held at Thiruvanthapuram, India, *Conv. Proc.* pp III.I-III.9.
283. Bhargava, D.S., and Rajagopal, K., "Author's Reply to the Comments on 'An Integrated Expression for Settling Velocity of Particles in Water' by D.S. Bhargava and K. Rajagopal (Water Research, Vol. 26, July 1992, pp 1005-1008) by Res. Scholar Sanjeev Chaudhari and Asstt. Professor Vinod Tare, both of Civil Engg. Dept., I.I. T., Kanpur, India," *Water Research*, England, Vol. 27, No.8, Aug., 1993, pp 1395-1396.
284. Bhargava, D.S., and Rajagopal, K., "Author's Reply to the Comments on 'An Integrated Expression for Settling Velocity of Particles in Water' by D.S. Bhargava and K. Rajagopal (Water Research, Vol. 26, July 1992, pp 1005-1008) by Professor K.J. Ives, Chief Executive Editor, Water Research, England", *Water Research*, England, Vol. 27, No.8, Aug. 1993, p. 1399.
285. Mokhlesur, Md., and Bhargava, D.S., "Use of Dispersants for Oil Spill And Pollution Control At Ports," *Journal of the Institution of Public Health Engineering*, India, Vol. 1993, No. 4, Oct.-Dec., 1993, pp 70-83.
286. Shrihari, S., and Bhargava, D.S., "Energy and Conservation for Pollution Free Environment," at the November 1-2, 1993, 9th National Convention of Environmental Engineers & National Seminar on 'Global Warming and Clean Energy Sources', organized by the Institution of Engineers, India, Rajasthan State Centre, held at Jaipur, *Proc.* p 39. (Abst.), full paper published in *Our Earth*, a quarterly magazine devoted to ecology and environment management, Lucknow, Vol.8, No.2, Jun., 2011, pp 23-25.
287. Rajagopal, K., and Bhargava D.S., "Concentration Identification for Behavioural Transition from Class- II to Class - III Sedimentation," *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 74, Feb., 1994, pp 21-23.

288. Tyagi, Ms. B., Bhargava, D.S., and Gakkhar, Mrs. S., "BOD-DO Dispersion Modelling Accounting for Sedimentation," *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 74, Feb., 1994, pp 45-48.
289. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Numerical Solution of BOD-DO Dispersion Equations," at the July 11-13, 1994, International Conference on the Role of Mathematics in Modern Engineering (Group AEMG), organized by the School of Mathematical Sciences, Swinburne, University of Technology, held at Melbourne, Australia, The Role of Mathematics in Modern Engineering, Proceedings of AEMC 94, 1st Biennial Engineering Mathematics Conference, A.K. Easton & J.M. Stainer eds., *Conf. Proc.* pp 517-524.
290. Bhargava, D.S., "Dal Lake Clean-up Strategy: An Example for Others?" *Environmental Conservation*, Geneva, Switzerland, Vol. 21, No. 3, Autumn, 1994, pp 269-272.
291. Killedar, D.J., and Bhargava, D.S., "Feasibility Studies of Fluoride Adsorption on Some New Materials," *Journal of the Institution of Public Health Engineers*, India, Vol. 1994, No. 3, Jul.-Sep., 1994, pp 1-6.
292. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Numerical Solution for DO Transport Equation", *Indian Journal of Engineering & Materials Sciences* (CSIR), Vol. 1, Aug., 1994, pp 208-212.
293. Bhargava, D.S., "Strategy for River Quality Control in Regard to Textile Industry," presented at the November 12-13, 1994, 9th National Convention of Textile Engineers, and All India Seminar, on Recent Advances in Textile Technology and Textile Industry In India, organized, in its Platinum Jubilee Year, by the Institutions of Engineers, India, Madhya Pradesh State Centre, held at Bhopal, *Proc.* p (Abst.), full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 5, No.4, Dec., 2009, pp.33-34.
294. Bhargava, D.S., "How to Keep Safe with Indian Water Supplies?" presented at the December 4, 1994, 74th Annual General Meeting (Platinum Jubilee Year) of the Institutions of Engineers, India, organized by the Institutions of Engineers, India, U.P. State Centre, held at Lucknow, 74th Annual Technical Number, *Proc.* pp 5-6.
295. Bhargava, D.S., "Challenges in Water Pollution Control at Varanasi Ghats," presented at the February 11-15, 1995, International Seminar on Environment, Sustainable Development and Human Health, organized by Department of Geography, Faculty of Science, Banaras Hindu University, held at Varanasi, *Proc.* p 149. (Abst.), published in *Our Earth*, a quarterly magazine devoted to ecology and environment management, Lucknow, Vol.6, No.2, June, 2009, pp 28-29.
296. Bhargava, D.S., Tyagi, B., and Gakkhar, S., "Polynomialization of the Models for Dissolved Oxygen Sag Parameters," *TN, Water Maritime and Energy, Proceedings of the Institution of Civil Engineers*, U.K., Vol. 112, Mar., 1995, pp 72-74.
297. Bhargava, D.S., "Environmental Engineering and the Menace of Pseudo-environmentalists," Guest Comment (Editorial), *Environmental Conservation*, Geneva, Switzerland, Vol. 22, No. 2, Spring, 1995, pp 5-6.
298. Gakhar, S. (Mrs), and Bhargava, D.S., (Guides), "Mathematical Modelling of BOD-DO Related Problems in a Stream," Ph.D. Thesis presented by Ms. Babit Tyagi to the Department of Mathematics, *University of Roorkee*, at Roorkee in July 1995, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.

299. Varathorn, P., and Bhargava, D.S., "Hazardous Wastes from Batteries Industries: Part I – Introduction, Industrial Processing of Batteries and Characteristics of the Generated Hazardous Wastes," *Journal of the Institution of Public Health Engineers, India*, Vol. 1995, Nos. 3 & 4, Jul. –Dec., 1995, pp 70-83.
300. Abbas, S.A., and Bhargava, D.S., Computer-aided Decision Making for a Public Supply of Drinking Water," *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 76, Aug., 1995, pp 5-7.
301. Bhargava, D.S., and Killeder, D.J., "Relationship in Fluoride Adsorption on Fish-bone Charcoal," *Indian Journal of Engineering and Materials Sciences*, Vol. 2, Aug., 1995, pp 157-162.
302. Bhargava, D.S. "Optimum Operations of Counter – Current Water Defluoridation System," presented at the October 18-22, 1995, 4th Workshop on Fluorosis and Defluoridation of Water, organized by the Technical University of Denmark, Building 208, DK-2800, Lungby, Denmark, for the Centre for Developing Countries, Department of Environmental Science and Engineering, held at Ngurdoto Defluoridation Research Station, Usa River, Arusha, Tanzania, Proceedings of the First International Workshop on Fluorosis and Defluoridation of Water, Ngurdoto, published by the *International Society for Fluoride Research*, Editorial Office : 81 A, Landscape Road, Mount Eden, Auckland, New Zealand , 1995, *Proc.* pp 50 -54.
303. Bhargava, D.S., "Pseudo Environmentalists as the Menace to National Development and Society's Awareness," presented at the November 10-11, 1995, XIth National Convention of Environmental Engineers & Seminar on Environmental Control Technology - Advances, Law and Awareness to Curb Pseudoism, organized by the Institution of Engineers, India, held at Roorkee Local Centre, Roorkee, India, *Proc.* pp 21-27.
304. Tyagi, B., Bhargava, D.S., and Gakkhar, S., "Use of Mathematical Models for Stream Quality Assessment" presented at the November 10-11, 1995, XIth National Convention of Environmental Engineers & Seminar on Environmental Control Technology - Advances, Law and Awareness to Curb Pseudoism, organized by the Institution of Engineers, India, held at Roorkee Local Centre, Roorkee, India, *Proc.* pp 116-119.
305. Bhargava, D.S., and Srivastava, R., "Integrated Modelling for Rapid Filter Performance" *Indian Journal of Engineering and Materials Sciences*, Vol. 2, Dec., 1995, pp 273-280.
306. Varathorn, P., and Bhargava, D.S., "Hazardous Wastes from Batteries Industries: Part II – Impacts on Health and Environment due to Hazardous Wastes from Batteries Industries and Recommendations," *Journal of the Institution of Public Health Engineers, India*, Vol. 1996, No. 1, Jan.- Mar., 1996, pp 1-10.
307. Lan, Jeng-Peng, and Bhargava, D.S., "The Menace of Acid Rain," *Encology*, India, Vol. 10, No. 9, Feb., 1996, pp 19-34.
308. Bhargava, D.S., "Note on the Technical University of Denmark sponsored Workshop on Fluorosis and Defluoridation," (organized at Arusha, Tanzania, during October 19-21, 1995), handed-over to *Shri Vinay Shankar, IAS, Secretary , Government of India, Ministry of Rural Development, New Delhi* and *Prof. Eli Dahi of Denmark*, vide my registered letters to them, both dated March 15, 1996 and printed in *Aditya International Journal of Research in Technology and management*, Vol.1, Issue 8, Jan., 2012, pp 70-82 and also in the on-line *International Journal of Contemporary Practices*, Vol. 1, Issue 9, Feb., 2012, pp.24-36.

309. Bhargava, D.S., "Pseudoism in Environmental Education" included in April 17-19, 1996, First International Conference on Environmental Engineering Education and Training, organized by Wessex Institute of Technology, U.K., held at Ashurst Lodge, Ashurst, Southampton, SO407AA, U.K., also published in *Journal of the Institution of Public Health Engineers*, India, Vol. 1999, No. 4, Oct.- Dec., 1999, pp 38-42
310. Bhargava, D.S., "Can Indian Rivers be Made Pollution Free?", included in April 17-19, 1996, First International Conference on Environmental Engineering Education and Training, organized by Wessex Institute of Technology, U.K., held at Ashurst Lodge, Ashurst, Southampton, SO407AA, U.K., also published as Environmental Protection Information in *Indian Journal of Environmental Protection*, Vol. 20, No. 6, Jun., 2000, pp 476-480
311. Bhargava D.S., and Mariam, D.W., "A Remote Sensing Aid in the Prediction of Vertical Suspended Sediment Distribution Level in Reservoirs", *Indian Surveyor, Journal of the Institution of Surveyors*, India, Vol. 47, No. 2, Jul., 1996, pp 42-48.
312. Bhargava, D.S. and Datar, M.T., "BOD and COD Kinetics of Aerobic Digestion", *Journal of the Institution of Public Health Engineers*, India, Vol. 1996, No. 3, Jul.-Sep., 1996, pp 49-67.
313. Bhargava, D.S., and Mariam, D.W., "Spectral Reflectance Curves and Models for Varied Suspended Sediment Types and Concentrations Under Laboratory Conductions", *Indian Journal of Environmental Health*, Vol. 38, No. 4, Oct. – Dec., 1996, pp 274-285.
314. Gupta, Cap. S., Patel, P.K., and Bhargava, D.S., "Conservancy and Sanitation Maintenance Management of Low Income Housing Areas of Delhi", *Journal of the Institution of Public Health Engineers*, India, Vol. 1996, No. 4, Oct.-Dec., 1996, pp 10-27.
315. Bhargava, D.S., and Rajagopal, K., "Effect of the Characteristics of the Suspended Materials on Class – II Sedimentation," *Indian Journal of Engineering and Materials Sciences*, Vol. 3, Dec., 1996, pp 219-228.
316. Shukla, S.P., and Bhargava, D.S., "Privatisation of Water Supplies in Uttar Pradesh," presented at the January 28, 1997, Annual General Conference & Seminar on Prospects of Privatization of Urban Water Supplies, organized by the Indian Water Works Association, Lucknow Centre, held at Lucknow, *Souvenir and Technical Volume, Proc.*
317. Tyagi, B., Gakkhar, S., and Bhargava, D.S. "Numerical Solution for BOD Transport Equation", *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 77, Feb., 1997, pp 35-37.
318. Bhargava, D.S., "Public Awareness and Duty in Curbing Water Leakage," at the March 21, 1997, Seminar on Save Water for Children's Future, organized by the Indian Water Works Association, Lucknow Centre, on the World Water Day, *Proc.*
319. Gupta, Cap. S., Patel, P.K., and Bhargava, D.S., "Water Supply Maintenance Management of Low Income Housing Areas of Delhi," *Encology*, Vol. 11, No. 11, Apr., 1997, pp 21-31.

320. Bhargava, D.S., and Shukla, S.P., "Public Participation in Improving River Water Quality", presented at the June 5, 1997, Seminar on Advance Technology for Water Pollution Abatement & Waste Management, organized by the Indian Water Works Association, Lucknow Centre, on World Environment Day, *Proc.*, Technical Session -I, Sl. No. 1, pp 1-8.
321. Bhargava, D.S., and Pande, P.K., "Declining and Constant Rate Counter-Current Operated Horizontal Filters," *Indian Journal of Engineering and Materials Sciences*, Vol. 4, Jun., 1997, pp 81-91.
322. Bhargava, D.S., "The Constraints and Problems Associated with Water Pollution Control," presented at the July 7, 1997, Workshop on Pollution Control, organized by the *Club of Lucknow*, held at Lucknow and published as editorial in *Indian Journal of Environmental Protection*, Vol. 35, No. 1, 2015, pp vii-viii (editorial pages).
323. Bhargava, D.S., "The Ozone Layer & Environment," Key Note Address at the September 16, 1997, World Ozone Day & Paper Meeting organized by the Indian Water Works Association, Lucknow Centre, held at Tulsi Banquet Hall, Hazaratganj, Lucknow reported in Souvenir of IWWA, Lucknow Centre, at the December 27, 1997, Annual General Meeting & Seminar on Recent Trends in Pumps & Conveyance Material In Water Supply and Waste Water System, held at Lucknow, *Proc.*
324. Dwivedi, S., Tiwari, I.C., and Bhargava, D.S., "Water Quality of the River Ganga at Varanasi", *Journal of the Environmental Engineering, the Institutions of Engineers*, India, Vol. 78, Sep., 1997, pp 1-4.
325. Srivastava, K.K., Singh, Y. R., and Bhargava, D.S., "Social And Motivational Environment of Highly Qualified Working Women (A Case Study)," presented at the November 3-5, 1997, National Conference on Integrating Humanistic Values and Social Concerns with Technical Education, organized by the Department of Humanities & Social Sciences, University of Roorkee, held at Roorkee, India, *Proc.* pp 175-180.
326. Bhargava, D.S. "Economical Technology of Fluoride Removal Using Fishbone Charcoal Columns at Domestic Level," presented at the November 19-25, 1997, 2nd International Workshop on Fluorosis and Defluoridation of Water, held at Nazareth, Ethiopia, Proceedings edited by Eli Dahi & Joan Maj Nielsen and published by the *International Society for Fluoride Research*, Auckland, New Zealand, *Proc.*, Section III : Defluoridation, Laboratory Experience, pp, 118-122.
327. Bhargava, D.S., "Multi Trends of Universal Use of Chlorine as Disinfectant of Water Systems Including the Mains", presented at the December, 27, 1997, Annual General Meeting & Seminar on Recent Trends in Pumps & Conveyance Material In Water Supply and Waste Water System, organized by the Indian Water Works Association, Lucknow Centre, held at Lucknow , *Proc.* pp 13-16.
328. Bhargava, D.S., and Killedar, D.J., "Defluoridation and Empirical Models in Column Studies Using Fishbone Charcoal," *Indian Journal of Engineering and Materials Sciences*, Vol. 4, Dec. 1997, pp 237-244.
329. Bhargava, D.S., Sharma S.P., and Shukla S.P., "Recycling & Reuse Technologies", presented at the June 5, 1998, Seminar on Water & Environment, organized by the Indian Water Works Association, Lucknow Centre, on the World Environment Day, held at Lucknow, *Proc.* pp, 72-74.

330. Bhargava, D.S., "Marine Pollution - Effects and Impact," *Journal of Marine Engineering*, Vol. 37, Jun., 1998, pp 12-16;
331. Bhargava, D.S., "An Appropriate Technology of Waste Water Management on the Ships," (Ship Borne Waste Treatment), presented at the July 16 -17, 1998, Seminar on Protection of Our Environment, organized by the Centre for Marine Engineering Technology, held at INS Shivaji, Lonavla, *Proc.* and published as Editorial in the *Indian Journal of Environmental Protection*, Vol. 36, No.6, Jun., 2015, pp. vii-viii (Editorial pages).
332. Bhargava, D.S., "Sacred but Unclean", *Asian Water Environment, Journal of the Water Environment Federation*, USA, Vol. 1, No. 2, Jul., 1998, pp 13-16.
333. Bhargava, D.S., "Foolproof Pollution Control of Indian Rivers," *Indian Journal of Engineering & Materials Sciences*, Vol. 5, No. 4, (Special Issue), Aug., 1998, pp 162-166.
334. Bhargava D.S., and Pande, P.K., "Specific Deposit Evaluation from Filter's Headloss," *Indian Journal of Engineering & Materials Sciences*, Vol. 6, Feb., 1999, pp 9-12.
335. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Mathematical Modelling of Stream DO-BOD Accounting for Settleable BOD and Periodically Varying BOD Source," *Environmental Modeling & Software*, Australia, Vol. 14, 1999, pp 461-471.
336. Bhargava, D.S., and Ojha, C.S.P., "Genesis of Porosity and Predicting Specific Deposit of Rapid Sand Filters." *Indian Journal of Engineering and Materials Sciences*, Vol. 6, Jun., 1999, pp 144-152.
337. Bhargava, D.S., and Datar, M.T., "Modelling in Aerobic Digestion of Activated Sludge," (Technology Update), *Environmental Pollution Control Journal, (A Bi-Monthly Journal Dedicated Primarily to Environmental Pollution, Its Causes & Remedies, etc.)*, Vol. 2, No.5, Jul.-Aug., 1999 (ISSN 0972-1541), pp 5-9.
338. Bhargava, D.S., "Simplified Air Quality Index for Human Living and Working," *Journal of the Institution of Public Health Engineers*, India, Vol. 1999, No. 3, Jul.-Sep., 1999, pp 45-52 with Corrigendum for Table 1 (Items 18-30) published in the *Journal of the Institution of Public Health Engineers*, India, Vol. XXXIV, No. 2, Jul., 2016, p 53.
339. Bhargava, D.S., "Analysis of Environmental Pollutants for Water Quality Indexing," (No.6/2: Pollution Monitoring and Analysis), proceedings of the November, 1999, 'New Millennium Conference-Retrospect of Indian Research on Environmental Pollution: Focus 21st Century', organized by the EMTRC (Environment Monitoring Training & Research Centre), New Delhi, in Collaboration with National Research Development Corporation, Central Pollution Control Board, Assocham, *Conf. Proc.* p 2.
340. Bhargava, D.S., "Rational Mathematical Modelling for BOD/DO Prediction in Polluted Streams", (No: 23/1: Impact Assessment of Pollution), proceedings of the November, 1999, 'New Millennium Conference - Retrospect of Indian Research on Environmental Pollution: Focus 21st Century', organized by the EMTRC (Environment Monitoring Training & Research Centre), New Delhi, in Collaboration with National Research Development Corporation, Central Pollution Control Board, Assocham, *Conf. Proc.* p 19.

341. Bhargava, D.S., "Management of River Quality In Indian Atypical Situations," (No. 108/12: Pollution Related Treatment Technology), proceedings of the November, 1999, 'New Millennium Conference-Retrospect of Indian Research on Environmental Pollution: Focus 21st Century', organized by the EMTRC (Environment Monitoring Training & Research Centre), New Delhi, in Collaboration with National Research Development Corporation, Central Pollution Control Board, Assocham, *Conf. Proc.* p 98.
342. Swamy M.M., Navaneetham, P., and Bhargava, D.S., "Potential of Municipal Wastewater Sludge as a Cementing Material," *Journal of Environment & Pollution*, (Techno science Publications), Vol. 7, No. 1, 2000, pp 51-57.
343. Bhargava, D.S., "Purification of Oils/Oil spills -Part-I," *Journal of the Institution of Public Health Engineers*, India, Vol. 2000, No. 1, Jan.-Mar., 2000, pp 5-9.
344. Bhargava, D.S., and Rajagopal, K., "An Overview of Advances in Sedimentation," *Journal of the Institution of Public Health Engineers*, India, Vol. 2000, No. 2, Apr.-Jun., 2000, pp 42-50.
345. Bhargava, D.S., and Sharma, S.P., "Cleanup Procedures for Oil-spills", (Environmental Protection Information), *Indian Journal of Environmental Protection*, Vol. 20, No. 7, Jul., 2000, pp 553-558.
346. Dwivedi, S., Tiwari, I.C., and Bhargava, D.S., "Classification of Water Quality of River Ganga at Varanasi", *Indian Journal of Environmental Protection*, Vol.20, No.9, Sep., 2000, pp 688-697.
347. Bhargava, D.S., and Shrihari, S., "Organics and Nutrients Contributions by Benthalsludges under Continuously Accumulating Conditions," *Journal of the Environmental Engineering Division, The Institution of Engineers*, India, Vol. 81, Sep., 2000, pp 1-7.
348. Pande, KS, Sharma, SD, and Bhargava, D.S., "Study on Quality Status of Ramganga River at Moradabad," *Journal of the Environmental Engineering Division, the Institution of Engineers*, India, Vol. 81, Sep., 2000, pp 23-27.
349. Bhargava, D.S., "Concepts of Monitoring Air Quality Using Remote Sensing Techniques," presented at the November 20, 2000, 44th Annual General Meeting's Technical Session of the Institution of Surveyors, India, at the Raman Auditorium of the DST, New Delhi, also published in *India Surveyor, the Journal of the Institution of Surveyors*, India, Vol. 55, No. 1 (No. 87 of the Series), Jan., 2001, pp 32-34
350. Bhargava, D.S., "Nomographs for Instant and Efficient Field Defluoridation," included in the November 20-24, 2000, 3rd International Workshop on Fluorosis & Defluoridation of Water, held at Ching Mai, Thailand, as a discussion paper on 21-11-2000, also published in , *Journal of the Institution of Public Health Engineers*, India, Vol. 2002, No. 1, Jan.-Mar., 2002, pp 54-57
351. Bhargava, D.S., "Current Necessity of Rendering Drinking Water Safe for Individual Consumption," presented at the November 21, 2000, National Conference on Environmental Pollution Prevention & Control for Healthy Living, organized by the University College of Medical Sciences and GTB Hospital at New Delhi, in Association with Environmental Monitoring Training & Research Centre, *Compendium of Research Papers*, Sl. No.3.
352. Bhargava, D.S., "Indexing of Lakes for Birds Migration (Environmental Protection Information), *Indian Journal of Environmental Protection*, Vol. 21, No. 7, Jul., 2001, pp 671-672.

353. Chang, Ching-Lung, and Bhargava, D.S., "Environmental Impacts of Solid Waste in an Industrial Area," *Civil Engineering Today -Bimonthly Technical Journal of Americal Society of Civil Engineers, India Section*, Vol. 17, No.4, Jul.-Aug., 2001, pp 3-13.
354. Datar, M.T., and Bhargava, D.S., "Aerobic Digestion," (Environmental Protection Information), *Indian Journal of Environmental Protection*, Vol. 21, No. 8, Aug., 2001, pp 758-761.
355. Singh, N.B., and Bhargava, D.S., (Guides), "Comparative Study and Analysis of Alum Recovery Methods in Water Treatment Plant," M.Tech. Thesis presented by Ajai Badhadur Singh to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow (*Lucknow University*) , at Lucknow, in September 2001, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering .
356. Bhargava, D.S., Pathak, V., and Sharma, S.P., "Counter Measures to Prevent Detection of Defence Installation Secrets by Remote Sensing Techniques," *Indian Surveyor, the Journal of the Institution of Surveyors*, Vol. 56, No. 1 (No. 89 of the Series), Jan., 2002, pp 31-34.
357. Bhargava, D.S., "Cleaning of .Rivers," presented at the World Summit on Sustainable Development (Rio+10) (WSSD) Northern Regional Consultative Workshop held on 2nd April 2002 (afternoon panel discussion session) at the Birbal Sahani Institute of Paleabotany (Auditorium), Lucknow and published with additional name of Agarwal, M.M. in *Our Earth*, (a quarterly magazine devoted to ecology and environment management, LucknowM), Vol.9, No.1, Mar., 2012, p.7.
358. Singh, N.B., Khare, A.K., and Bhargava, D.S., "State of the Art in the Technology of Vermiculture - Part I: Introduction, Solid Waste Management and Vermiculture Technology Concepts," *Journal of the Institution of Public Health Engineers, India*, Vol. 2002, No.3, Jul.-Sep., 2002, pp 9-12.
359. Bhargava, D.S., and Shrihari, S., "Kinetics of Benthic Sludge Stabilization", *Indian Journal of Environmental Protection*, Vol. 22, No. 8, Aug., 2002, pp 910-913.
360. Bhargava, D.S., "Distance Education Needs of Land Surveying", presented at the September 7, 2002, National Seminar on Distance and Continuing Education in Surveying Disciplines, organized by the Institution of Surveyors, New Delhi, held at the Surveyor General's Office, Survey of India, Department of Science and Technology, Hathibarkala, Dehradun, *Sem. Proc.* pp 18 – 20.
361. Bhargava, D.S., "Recent Advances in Remote Sensing Techniques for Medical Diagnosis," presented at the November 29, 2002, 46th AGM of the Institution of Surveyors , also published in *Indian Surveyor, The Journal of the Institution of Surveyors*, Vol. 57, No. 1 (No. 91 of the Series), Jan., 2003, pp 73-75.
362. Sharma, Lily, Singh, N.B., and Bhargava, D.S., "Environmental Damage in Afghanistan with Special Reference to the US Offensive," *Civil Engineering Today- Bimonthly Technical Journal of American Society of Civil Engineers, India Section (ASCE-IS)*, Vol. XXV, No. 6, Nov. –Dec., 2002, pp 5-8.
363. Bhargava, D.S., "Taming the Indian Public for Solid Waste Management," presented at the December 12- 14, 2002, National Seminar on Solid Waste Management - Current Status and Strategies for Future, organized by the Department of Environmental Science, held at Bangalore University, Janana Bharathi, Bangalore, *Sem. Proc.*, pp 41-43.

364. Devi, Ajantha, Tangri, A.K., Singh, N.B., and Bhargava, D.S., "Study of Meandering of Gomti River Using Remote Sensing Techniques," *Indian Surveyor, The journal of the Institution of Surveyors, India*, Vol. 57, No. I (No. 91 of the Series), Jan., 2003, pp 76-85
365. Singh, N.B., Khare, A.K., and Bhargava, D.S. "State of the Art in the Technology of Vermiculture – Part II : Environmental Factors Affecting the Technology and its Field Application", *Journal of the Institution of Public Health Engineers, India*, Vol. 2003, No. 1, Jan.-Mar., 2003, pp 51-56.
366. Srivastava, Ritu, Mishra, B.N., Bhargava, D.S., and Agrawal, Shipra, "Edible Oil Extraction from Sunflower Seeds: A Review", *Journal of the Current Sciences*, Vol. 3, No. 1, 2003, pp 53-62.
367. Bhargava, D.S., "A Possible Disaster from India's Tehri Dam," *Indian Journal of Environmental Protection (An International monthly Journal dealing with all aspects of environmental pollution and its control)*, Environmental Protection Information, Vol. 23, Number 5, May, 2003, p. 592-597.
368. Bhargava, D.S., "Scientific Explanations for Mysteries Associated with Holiness of Ganga," *Civil Engineering Today, Biomonthly Technical Journal of American Society of Civil Engineers, India Section (ASCE-IS)*, Vol. XXVI, No.3, May-Jun., 2003, pp 6-8.
369. Singh N.B., Tangri, A.K., and Bhargava, D.S., (Guides), "Monitoring Dynamics of a Part of Gomti River System in Space and Time – An Assessment of its Impact on Water Quality and the Environment," M.Tech. Thesis presented by Ms. Ajantha Devi to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *Uttar Pradesh Technical University*, at Lucknow, in June 2003, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
370. Bhargava, D.S., "Cases of Some Severely Spoiled Pollution Control Efforts in UP & Uttranchal," presented as a Key-Speech at the July 29, 2003, Seminar on River Water Quality & Conservation of Water, organized by the State Human Resource Development Cell, Uttar Pradesh Jal Nigam, held at Hotel Clarks' Awadh, Lucknow, *Proc.*, and published in *Journal of the Institution of Public Health Engineers, India*, Vol. 2015-16, No. 2, Jul., 2015, pp 25-26.
371. Devi, Ajantha, Tangri, A.K., Singh, N.B., and Bhargava, D.S., "Environmental Impact of Meandering," *Indian Journal of Environmental Protection*, Environmental Protection Information, Vol. 23, No. 7, Jul., 2003, pp 825-831.
372. Bhargava, D.S., and Shrihari, S., "Nutrient Contributions by Bethel Sludge Deposits – Part I: Literature Experimentation and Discussion of the Nutrients in Benthic Sludge layers" *Journal of the Institution of Public Health Engineering, India*, Vol. 2003, No. 3, Jul. -Sep., 2003, pp 41-52.
373. Pathak, Virendra, Bhargava, D.S., and Sharma, S.P., "GPS Applications in Mapping and Utility Services", *Indian Surveyor, The Journal of the Institution of Surveyors, India*, Vol. 57, No. 2 (No. 92 of the Series), Jul.-Dec., 2003, pp 41-46.
374. Singh, N.B., Khare, A.K., Bhargava, D.S., and Agrawal, S., "Vermicomposting of Tomato Skin and Seed Waste", *Journal of the Environmental Engineering Division, The Institution of Engineers, India*, Vol. 84, Sep., 2003, pp 30-34.
375. Bhargava, D.S., and Prakash, Anirudh, "Activated Sludge Process- A Rationality in Design", *Indian Journal of Engineering & Materials & Sciences*, Vol. 10, Oct., 2003, pp 397- 402.

376. Bezboruah, A.N. and Bhargava, D.S., "Vermicomposting of Municipal Solid Waste From a Campus," *Indian Journal of Environmental Protection*, Vol. 23, No. 10, Oct., 2003, pp 1120-1136.
377. Singh, N.B. Chandra, Hem, and Bhargava, D.S., (Guides), "An Integrated Biomedical Waste Management and Disposal Plan for Large Hospitals," M.Tech. Thesis presented by Ms. Lily Sharma to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *U.P. Technical University*, at Lucknow, in December 2003, in partial fulfillment of the requirements of the award of degree of Master of Technology in Environmental Engineering.
378. Singh, N.B., Bhargava, D.S., and Mishra, Richa, (Guides), "Qualitative Assessment of River Gomti in Lucknow City," M.Tech. Thesis presented by Chandra Prakash Tripathi to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *U.P. Technical University*, at Lucknow in January 2004, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
379. Bhargava, D.S., and Shrihari, S., "Nutrient Contributions by Benthic Sludge Deposits - Part II : Variations of Nutrients Contribution in Top layers with Flow Rates of Overlying Waters, with Depth of Benthic Sludge and with Ratio of Overlying Water Height to Sludge Depth", *Journal of the Institution of Public Health Engineers*, India, Vol. 2004, No. 1, Jan-Mar., 2004, pp 41-46.
380. Singh, N.B., Khare, A.K., Bhargava D.S., and Bhattacharya, S., "Optimum Moisture Requirement During Vermicomposting Using *Perionyx Excavatus*", *Applied Ecology & Environmental Research (International Scientific Journal)*, Budapest, Hungary, Vol. 2, No. 1, 2004, pp 53-62.
381. Bhargava, D.S., "A Positive Solution to India's Water Pollution Problems," presented at the April 30, 2004, Plenary Session of the Workshop on Environmental Pollution: Perspectives & Practices, organized by the Department of Civil Engineering, Institute of Engineering & Technology, held at Lucknow, *Proc.* pp 11-12.
382. Khare, A.K., Singh, N.B., and Bhargava, D.S., "Substrate pH Variation During Vermicomposting", at the April 30, 2004, Workshop on Environmental Pollution: Perspectives & Practices, organized by Department of Civil Engineering, Institute of Engineering & Technology, held at Lucknow, *Proc.* pp 26-32.
383. Havelia, A.S., Singh, N.B., Bhargava, D.S., and Singh, A.P., "Effects of Operating Variables on the Performance of Activated Sludge Process," at the April 30, 2004, Workshop on Environmental Pollution: Perspectives & Practices, organized by Department of Civil Engineering, Institute of Engineering & Technology, held at Lucknow, *Proc.* pp 45-52.
384. Singh, N.B., Khare, A.K., Bhargava, D.S., and Srivastava, J.B., "Effect of Substrate Thickness Variation on Vermicomposting," at the April 30, 2004, Workshop on Environmental Pollution: Perspectives & Practices, organized by Department of Civil Engineering, Institute of Engineering & Technology, held at Lucknow, *Proc.* pp 93-97.
385. Awasthi, V.K., Singh, N. B., Bhargava, D.S., and Singh. M., "Environmental Considerations in *Vaastu* Culture for Residential Building Organisation," *Journal of the Architectural Engineering Division, Institution of Engineers*, India, Vol. 85, Apr., 2004, pp 1-8.
386. Bhargava, D.S., and Gupta P.K., "Variation Effects on the Economical Design of Service Reservoirs," *Indian Journal of Engineering & Materials Sciences*, Vol. 11, Apr., 2004, pp 107-112

387. Bhargava, D.S., "Ozone and the Layers' Hoaxy Fears," *Journal of the Institution of Public Health Engineers, India*, Vol. 2004, No. 2, Apr. –Jun., 2004, pp 57-59.
388. Wenkai, Ms. Ma, and Bhargava, D.S., "Impact of Urbanisation on Water Resources and Control of Huangpu River Quality", *Journal of the Institution of Public Health Engineers, India*, Vol. 2004, No. 3, Jul.- Sep., 2004, pp 15-17.
389. Bhargava, D.S., and Mariam, D.W., "Effects of Sediment Type, Concentration and Incident Energy Angle on the Spectral Responses of Water", *Indian Surveyor, The Journal of the Institution of Surveyors*, India, Vol. 58, No. 2 (No. 94 of the Series), Jul.-Dec., 2004, pp 50-52.
390. Tiwari, R.S., and Bhargava, D.S., "Water Quality Variations in Chao Phraya," *Indian Journal of Environmental Protection*, Vol. 24, No. 9, Sep., 2004, pp 641-653.
391. Singh, N.B., Khare, A.K., Bhargava, D.S., and Bhattacharya, S., "Effect of Substrate Depth on Vermicomposting," *Environmental Engineering Division, Journal of the Institution of Engineers*, India, Vol. 85, Sep., 2004, pp 16-21.
392. Bhargava, D.S., and Rajagopal, K., "Analyses of Compression Settling for Different Types of Suspended Materials," *Journal of the Institution of Public Health Engineers, India*, Vol. 2004, No. 4, Oct.-Dec., 2004, pp 33-37.
393. Bhargava, D.S., "Vaastu, a Manifestation of the Environment," Key-Note Address presented at the National Convention of Architectural Engineers & National Seminar on Planning & Construction of Buildings in Modern India, organized by the Institution of Engineers (India), Roorkee Local centre, IIT Roorkee, during November 1 & 2, 2004, vide *Conv. & Sem. Proc.* pp.18-22 as also reported in the Annual Number of the 44th Annual General Meeting held on October 27, 2005
394. Singh, N.B., and Bhargava, D.S., (Guides), "Environmental Considerations in *Vaastu* Culture for Residential Building Orientation," M.Tech. Thesis presented by Vinod Kumar to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *U.P. Technical University*, at Lucknow, in 2004, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
395. Singh, N.B., Bhargava, D.S., and Chaturvedi, R.N., (Guides), "Strategy for Pollution Control of Yamuna River at Mathura," M. Tech. Thesis presented by Yogendra Kumar to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *U.P. Technical University*, at Lucknow in 2004, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
396. Singh, N.B., and Bhargava, D.S., (Guides), "Study of the Effects of Operating Variables and Factors on the Performance of Activated Sludge Process," M. Tech. Thesis presented by Anand Swaroop Havelia to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *U.P. Technical University*, at Lucknow, in 2004, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.

397. Bhargava, D.S., "Awareness for Environmental Pollution : Problems & Remedies," Theme paper & Address at the one day Workshop on Environment and Pollution Awareness, organized by the University Polytechnic, Faculty of Engineering & Technology, *Aligarh Muslim University*, on 27th November 2004, also published in *Our Earth*, a quarterly magazine devoted to ecology and environment management, Lucknow, Vol.1, No.4, December. 2004, pp 1-3.
398. Bhargava, D.S., and Mariam, D.W., "Effects of Light Zenith Angle Variation on Spectral Responses of a Water Body's Environmental Quality," *The Environmentalist, Journal of the Springer Science + Business Media Inc.*, The Netherlands, Vol. 24, 2004, pp 237-247.
399. Singh, N.B., Khare, A.K., Bhargava, D.S., and Bhattacharya, S., "Effect of Initial Substrate pH on Vermicomposting using *Perionyx Excavatus* (Perrier, 1872)," *Applied Ecology and Environmental Research* (International Scientific Journal), Budapest, Hungary, Vol. 4, No. 1, 2005, pp 85-97.
400. Bhargava, D.S., "A Practical Approach for the management of Street Sanitation and Aestheticity in India," sent as a concept note for a sustainable future for the International Conference on Good Governance India, held at Ahmadabad during January 18-20, 2005, also published in *Our Earth* (a quarterly magazine devoted to ecology and environment management), Vol. 2, No. 3, Sep., 2005, p.7
401. Khare, A.K., and Bhargava, D.S., (Guides), "Management of Solid Wastes Using Vermiculture Technology," Ph.D. Thesis, presented by Narendra Bahadur Singh to the Department of Civil Engineering, Institute of Engineering and Technology, *U.P. Technical University*, at Lucknow, in February 2005, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
402. Bhargava, D.S., and Srivastava, A.K., "Criteria Based Water Quality Index for Irrigation Use : Part I – Introduction, Quality Parameter and Water Quality Index", *Journal of the Institution of Public Health Engineers*, India, Vol. 2005, No. 1, Jan.-Mar., 2005. pp. 66-71.
403. Bhargava, D.S., and Srivastava, A.K., "Criteria Based Water Quality Index for Irrigation Use : Part II – Crop Quality, Quality Rating Curves and Practical Applications", *Journal of the Institution of Public Health Engineers*, India, Vol. 2005, No. 2, Apr.-Jun., 2005. pp 21-25.
404. Devi, A., Bhargava, D.S., and Singh, N.B., "Global Warming – A State of the Art," *Civil Engineering Today, a Journal of the ASCE – India Section*, Vol.1, No.6, Apr.-May, 2005, pp.3-15 (full journal).
405. Bhargava, D.S., "Key Note Address on itinerary" at the National Seminar on Environmental Issues – Itinerary of Time, organized by the *Green Institute for Research & Development, Saket, New Delhi, Humane Touch, 402, AE Munirika, New Delhi, and the School of Environmental Sciences, Jawaharlal Nehru University, New Delhi*, on 5th June 2005, at New Delhi, *Proc.* pp.5-6.
406. Bhargava, D.S., "Natural Protection of Human Health from Environmental Pollution," *Journal International Medical Sciences Academy*, Vol. 18, No. 3, Jul.-Sep., 2005, pp 136-138.
407. Bhargava, D.S. and Killedar, D.J., "Defluoridation Studies," *Indian Journal of Environmental Protection*, Vol. 25, No. 9, Sep., 2005, pp 800-808.

408. Bhargava, D.S., "Symbiosis of Higher Education and information Technology," All India Seminar on Perspective, Status and Challenges of Technical Education in India, held on September 15, 2005 at Kolkata, organized by the National Council of Education, Bengal and Jadavpur University, *Proc.* pp. 1-7.
409. Bhargava, D.S., "Judgment & Awareness for Water Quality," Key Note Address Paper delivered at the Seminar on Environmental Degradation : Problems and Preventions, held on September 17, 2005 at Muzaffarnagar, organized by the S.D. College of Engineering and Technology, Muzaffarnagar, *Seminar Proc.* pp. 1-3.
410. Bhargava, D.S., "Cultural and Socio-Economic Reasons for Failure of River Cleaning Projects," presented at the National Workshop on Sustainable Pollution, organized by the Department of Civil Engineering, Institute of Engineering & Technology, Lucknow in association with the U.P. Pollution Control Board, U.P. Jal Nigam, and the Indian Water Works Association Lucknow Centre, during December, 8-9, 2005, vide, *Proc.* pp. 100-102.
411. Bhargava, D.S. (as Coordinator), "Foundation of Environmental Study," *A Publication of : U.P. Technical University*, Lucknow, in arrangement with Galgotia Publications Pvt. Ltd., New Delhi, 2005, (textbook contributors : Manisha Shukla, N.B. Singh, Ranjana Shukla, S.P. Shukla, Shradha Sinha, and Virendra Pathak).
412. Bhargava, D.S., "Role of Field-Kits for safety of Drinking Water during Emergencies," accepted Abstract for the 38th Annual Indian Water Works Association Convention at Jaipur during January 6-8, 2006 and published as 'Editorial, *Indian Journal of Environmental Protection*, Vol.33, No.3, March,2013, pp.viii (editorial page) and also Vol.33, No.9,September, 2013, pp.viii (editorial page)
413. Bhargava, D.S., "Green revolution : A Boon or Bane," presented at the Seminar on Recent Trends in Science, technology & its Applications, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, during 7th & 8th January 2006, vide, *Sem. Proc.* p. 198.
414. Srivastava, R. (Ms.), Rao, N.G.V., Bhargava, D.S., Mishra, B.N., and Kumar, R., "Liquid Glucose Production from Corn – Optimisation and Modelling of Control Parameters," *Journal of the Institution of Engineers,India, Chemical Engineering division*, Vol. 86, Mar., 2006, pp 55-59.
415. Bhargava, D.S., "In-Plant Pollution Control & Quality Standards in Industries," presented at the All India Seminar on Frontier Areas of Chemical Engineering Strategies for Future, organized by the Institution of Engineers (India), U.P. State Centre, Lucknow, India, on 18th and 19th March 2006, *Proc.*, p. 22.
416. Bhargava, D.S., "Tehri Dam : Management Strategies for Abating Possible Disasters," presented at the National Seminar on Environmental Audit of Hydroelectric Projects for Sustainable Development, organized by the Department of Zoology, Government Degree College, Dak-Pathar, Dehradun, India, on 10-11 April, 2006, *Compendium (invited lectures) Proc.*, pp 98-99.
417. Devi, A., Bhargava, D.S., Singh, N.B., and Bhargava,S.K., "Status and Control of Noise Pollution in Different Zones of Lucknow City," *Journal of the Institution of Public Health engineers, India*, Vol. 2006-07, No. 2, Apr.-Jun., 2006, pp 22-26.

418. Bhargava, D.S., "Awareness for Sustainable Preservation of Indian Water Resources," sent as a Key Note Lecture/Paper for the National Workshop on Agenda for Survival against Accelerated Water Pollution in U.P. (An Awareness Creation Programme), organized by the State Water Resources Agency at WALMI Bhawan Auditorium, Telibagh, Utretia, Lucknow 226026 during June 5th-6th, 2006 (date postponed), also published in *Journal of the Institution of Public Health Engineers, India*, Vol. 2012-13, No. 3, Oct., 2012, pp. 14-15,
419. Bhargava, D.S., "*Pey Jal Sostron Par Dushit Vatavaran (Paryavaran) Ka Kuprabhav Va Usase Bachav*," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 3, No.2, Jun., 2006, p 31.
420. Bhargava, D.S., "Revival of Mathura's Ailing Yamuna River," *The Environmentalist*, The Netherlands, Vol. 26, Issue 2, Jun., 2006, pp 111-122.
421. Bhargava, D.S., "Checking the Degradation of India's Higher Technical Education," *Civil Engineering Today* (bi-monthly technical journal of the American Society of Civil Engineers – India Section), Vol. 3, No. 4, Jun.-Jul., 2006, pp 10-15.
422. Tyagi, B. (Ms.), Gakkhar, S. (Ms.), and Bhargava, D.S., "Numerical Solution of BOD-DO Dispersion Equations Accounting for Setttable BOD," *Journal of the Indian Water Works Association*, Vol.38, No.3, Jul.-Sep., 2006, pp 57-65.
423. Tripathi, C.P., Singh, N.B., and Bhargava, D.S., "Qualitative Assessment of River Gomti in Lucknow emphasizing the Trace Metals," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol. 87, Sep., 2006, pp 27-34.
424. Shrihari, S., and Bhargava, D.S., "Effect of Initial Biodegradable Organic Content of Benthic Sludge Deposits on Oxygen Consumption in Streams," *Journal of Indian Association for Environmental management*, Vol.33, No.3, Oct., 2006, pp 168-173. Errata : vol.34, No.2, Jun., 2007, pp.123-124.
425. Bhargava, D.S., and Killedar, D.J., "Fluoride Adsorption on Fishbone Charcoal (Batch Studies)," *Journal of Indian Association for Environmental management*, Vol.33, No.3, Oct., 2006, pp 179-183.
426. Bhargava, D.S., "Deoxygenation and Self Regeneration of Ganga at Kanpur," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 3, No.4, Dec., 2006, p 5-11.
427. Sharma, L. (Ms.), Singh, N.B., and Bhargava, D.S., "A Study of Residual Chlorine Dissipation and Consumers Reaction in Lucknow Cantonment," *Journal of the Indian Water Works Association*, Vol. ,No. XXXIX, No.1, Jan.-Mar., 2007, pp.55-59 + 61-62.
428. Bhargava, D.S., "The Paradox of Willful Neglect of Environmental Control", presented in the Technical Session of the 86th Annual General Meeting of the Institution of Engineers (India), U.P. State Centre, held at Lucknow (U.P.) on 11.02.2007, also published in *the Journal of the Indian Water Works Association*, Vol.XXXV, No.1, Jan.-Mar. 2013, pp.55-57.
429. Devi, A. and Bhargava, D.S., "Some Applied Researches from Remote Sensing," highlights presented at the 86th AGM of the Institution of Engineers (India), U.P. State Centre, Lucknow, on February 11, 2007, also published in , *Indian Surveyor, the Journal of the Institution of Surveyors*, India, Vol.62, No.2, July, 2007, pp.44-49

430. Bhargava, D.S., "Political Pollution and reforms Needed for Environmental Control," presented as a Key-Note Address at the National Seminar on Public Participation for Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, on April 7, 2007, vide, *Sem. Proc.* pp.1-4.
431. Singh, N.B., Mishra, A., Yadav, P., Pratap, D., Shukla, A.K., and Bhargava, D.S., "Study of the Rapid Environmental Impact Assessment of Lather Complex," presented at the National Seminar on Public Participation for Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, on April 7, 2007, vide, *Sem. Proc.* pp.17-20
432. Devi, A., and Bhargava, D.S., "Need of Effective and Dynamic Techniques to Monitor Air Pollution," presented at the National Seminar on Public Participation for Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, on April 7, 2007, vide, *Sem. Proc.* pp. 36-38.
433. Singh, N.B., Awasthi, R., Pratap, D., Yadav, P., and Bhargava, D.S., "Optimization of Process Parameters of Tannery Using Upflow Anaerobic Sludge," presented at the National Seminar on Public Participation for Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, on April 7, 2007, vide, *Sem. Proc.* pp.65-71.
434. Bhargava, D.S., and Shrihari, S., "Deoxygenation-Reoxygenation Models in Benthic Sludges," *Journal of the Indian Water Works Association*, Vol. XXXIX, No.3, Jul.-Sep., 2007, pp.209-223.
435. Bhargava, D.S., and Shrihari, S., "BOD Contribution by Benthic Sludge Deposits – Part 1 : Effect of Operating Sludge Related Characteristics." *Journal of the Institution of Public Health Engineers, India*, Vol. 2007-08, No.3, Jul.-Sep.,2007, pp.49-65 & continued in Vol.2007-08, No. 4, Oct.-Dec., 2007, pp.54-56.
436. Bhargava, D.S., "Dissolved Oxygen Sag Analysis for a Settling Fields Overlapping Type Multi-Wastewater-Outfall," *the Environmentalist, The Netherlands*, Online first w.e.f. Tuesday, September 6, 2007, Vol. 28, No.2, Jun., 2008, pp. 128-136.
437. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-1: Introduction, Pollution and Sources, Water Quality," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol.4, No. 3, Sep., 2007, pp.24-29.
438. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-2: Integrated Expression for Water Quality, Self-Purification and Determination of the Natural Regeneration Capacity of Natural Waters," *Our Earth*, Vol. 4, No. 4, Dec., 2007, pp. 25-32.
439. Bhargava, D.S., "Dangers to Health from Water Supplies in India," presented as a Key Note address at the 4th National Seminar on Recent Strategies of Management, Technology & Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, during 9th and 10th February, 2008, vide *Sem. Proc.* pp. 1-5, also published in the *Journal of International Medical Sciences Academy, JIMSA*, Vol. 22, issue/No.4, Oct.-Dec., 2009, pp. 217-218
440. Devi, A., and Bhargava, D.S., "Environmental Improvement of Slums with Special reference to Lucknow City," presented at the 4th National Seminar on Recent Strategies of Management, Technology & Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, during 9th and 10th February, 2008, vide *Sem. Proc.* pp. 76-79.

441. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-3: Extra-Ordinary High self-Purification Abilities of the Ganga River and the Control of Pollution," *Our Earth*, Vol.5, No.1, Mar., 2008, pp.14-19.
442. Bhargava, D.S., Tyagi, B. (Ms.), and Gakkhar, S. (Ms.), "Polynomialization of Bhargava Models for DO Sag Elements," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol. 88, Mar., 28, 2008, pp. 43-55.
443. Sharma, Lily, Chandra, Hem, Bhargava, D.S., and Singh, N.B., "An integrated Biomedical Waste Management and Disposal Plan for Large Hospitals of Lucknow," *Journal International Medical Sciences Academy*, Vol.21, Issue 2, Apr.-Jun., 2008, pp.93-96.
444. Bhargava, D.S., "Key-Note Address on "River Training Works in Natural Waterways (NWs)" workshop held at NINI, Ghat, Patna, on the 9th of May 2008, full text printed in Indian Surveyor, the journal of the Institution of Surveyors, India, Vol. 63, No. 2, No. 102 of the Series, Jul., 2008, pp. 18-19, also reproduced in 'Activities of Institution of Surveyors, Indian Surveyor, the journal of the Institution of Surveyors, Vol.63, No.2, No.104 of the Series, Jul., 2009, pp.15-17
445. Bhargava, D.S., and Shrihari, S., "BOD Contribution by Benthic Sludge Deposits – Part I : Effect of Sludge Characteristics," *Indian Journal of Environmental Protection*, Vol. 28, No.7, Jul., 2008, pp. 577-598.
446. Bhargava, D.S., and Shrihari, S., "BOD Contribution by Benthic Sludge Deposits – Part II : Effect of Stream Characteristics," *Indian Journal of Environmental Protection*, Vol. No.28, No.7, Jul., 2008, pp. 599-616.
447. Bhargava, D.S., Tyagi, B. (Ms.), and Gakkhar, S. (Ms.), "Polynomialized Model for Critical DO Deficit," *Journal of Environmental Science & Engineering, India*, Vol.50, No.3, Jul., 2008, pp.223-226. The three figures of this paper are printed as 'Corrigendum' in the journal's Vol.50, No.4, Oct., 2008, p. next to 328.
448. Bhargava, D.S., and Shrihari, S., "BOD Contribution by Benthic Sludge Deposits – (Part 4) : Continuous Accumulating Conditions and Integrated Effects of Operating and Process variables," *Journal of the Institution of Public Health Engineers, India*, Vol. 2008-09, No.2, Jul.-Sep., 2008, pp.52-62
449. Bhargava, D.S., and Shrihari, S., "Modelling for Organics and Nutrients Release During Benthic Sludge Stabilization – Part I : Organics," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol.89, Sep., 2008, pp.22-29.
450. Bhargava, D.S., and Killedar, D.J., "Residual Concentration Model for Fluoride Adsorption," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol.89, Sep., 2008, pp.30-33.
451. Bhargava, D.S., and Shrihari, S., "Deoxygenation and Reoxygenation Processes in Benthic Sludge and Effects of Variables" ["BOD Contribution by Benthic Sludge Deposits – Part 2 : Deoxygenation – Reoxygenation Processes and Effects of Process Variables,"], *Journal of Indian Association for Environmental management*, Vol.35, No.3, Oct., 2008, pp. 157-171.

452. Bhargava, D.S., "Simplified DO Sag Models for Rapid BOD Removal," *the Environmentalist, The Netherlands*, Online first w.e.f. Thursday, February 19, 2009, Vol. 29, Issue/No. 4, Dec., 2009, pp. 411-420.
453. Bhargava, D.S., and Shrihari, S., "Modelling for Organics and Nutrients Release During Benthic Sludge Stabilization – Part II : Nutrients," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol.90, Mar., 2009, pp. 20-24.
454. Tyagi, B. (Ms.), Gakkhar, S. (Ms.), and Bhargava, D.S., "Modified Scheme for One-Dimensional BOD-DO Model," *Journal of Environmental Science & Engineering, India*, Vol. 51, No.2, Apr., 2009, pp. 145-150.
455. Shrihari,S.and Bhargava,D.S., "Factors Affecting Benthic Sludge Stabilization," *Journal of Indian Association for Environmental management*, Vol. 36, No. 2, Jun., 2009, pp. 112-123.
456. Bhargava, D.S., and Killedar, D.J., "Experimental Models for Defluoridation," *Journal of Environmental Science & Engineering, India*, Vol. 51, No.3, Jul., 2009, pp. 227-232.
457. Bhargava, D.S., "Development of Biofuels," as an invited key talk during a National Workshop on Emerging Horizons in Biofuel Research and Applications organized by Department of Botany, Raja Balwant Singh College (RBSC), Agra, at Hotel Marina, Agra during July 25-27, 2009, Editorial" focusing on the Development of Biofuels *Indian Journal of Environmental Protection*, Vol.31, No.4, Apr., 2011, pp.viii (editorial page).
458. Bhargava, D.S., and Shrihari, S., "Nutrient Contributions by Benthic Sludge Deposits," *Journal of Environmental Science & Engineering, India*, Vol. 51, No.4, Oct., 2009, pp. 295-310.
459. Bhargava, D.S., "Challenges for Monitoring Marine Pollution," presented at the seminar on Challenges & Opportunities in the Field of Surveying/Mapping in the 21st Century organized by the national Hydrographic Office, Dehradun and the Institution of Surveyors during 09 and 10 October 2009, also published in *Indian Surveyor, the journal of the Institution of Surveyors*, India, Vol. 64, No. 1, No.105 of the Series, Jan., 2010, pp.72-73
460. Bhargava, D.S., "Training of legal Professionals for Environmental Regulatory Framework & Protection," presented at the International Conference on Recent Trends in Management, Technology and Environment, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, and S.D. College of Management Studies, Muzaffarnagar on November 28 and 29, 2009, vide, *Conf. Proc.* pp.2-3. reproduced in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 6, No.1, Mar., 2010, pp.28-29.
461. Devi, A., Kumar, A. and Bhargava, D.S., "Impact on Public from Environmental Awareness," presented at the International Conference on Recent Trends in Management, Technology and Environment, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, and S.D. College of Management Studies, Muzaffarnagar on November 28 and 29, 2009, vide, *Conf. Proc.* pp.18-20.
462. Bhargava, D.S., " Technological Challenges in Environmental Control for National Growth ," an invited paper presented as special lecture on 13th December 2009 in the Valedictory session of the 24th Indian Engineering Congress organized by the Institution of Engineers (India) and held at the National Institute of Technology, Surathkal during December 10-13, 2009, vide the Abstract in the *Congress Souvenir*, pp last, and full paper text in *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 8, No.4, Dec., 2011, pp.7-10.

463. Devi, A., Siddiqui, M.J., Tangri, A.K., and Bhargava, D.S., "Use of Remote Sensing for Monitoring of Gaseous Air Pollutants," *Indian Surveyor, the journal of the Institution of Surveyors, India*, Vol. 64, No. 1, No.105 of the Series, Jan., 2010, pp.53-64
464. Bhargava, D.S., and Shrihari, S., "BOD Contribution by Benthic Sludges Deposits – Part 3 : Effect of Operating Overlying Water Related Characteristics," *Indian Journal of Environmental Protection*, Vol. 30, No.2, Feb., 2010, pp. 89-103
465. Bhargava, D.S., "Restoring the Pristine Waters of the Ganga River," *World Water (Formerly World Water & Environmental Engineering)*, of Water Environment Federation, USA, Vol.33, No.2, Mar./Apr., 2010, pp.28-31.
466. Bhargava, D.S., and Killedar, D.J., "Models for Fluoride Adsorption on Fishbone Charcoal," *Journal of the Institution of Public Health Engineers, India*, Vol. 2010-11, No.1, Apr., 2010, pp. 31-40.
467. Bhargava, D.S., "Editorial" focusing a meeting on Global Warming chaired by the Hon'ble Minister of Environment and Forests, and organized by the Centre for Environment Education (CEE), Lucknow, held at Dehradun, on the 22nd of June 2010, *Indian Journal of Environmental Protection*, Vol.30, No.7, Jul., 2010, pp.viii (editorial page), again published as "Editorial" Climate Change, A Reality ? focusing a meeting on Global... June 2010, *Indian Journal of Environmental Protection*, Vol.31, No.5, May, 2011, pp.viii (editorial page).
468. Bhargava, D.S., "Editorial" focusing conservancy system (do we revert back to conservancy system in Indian towns and villages ?) in a conference on Cost Effective Sustainable Sanitation – An Indian Experience, organized by the Water, Sanitation and Hygiene (WASH) Institute Chennai, plan India, Ministry of Rural Development, Government of India, UNICEF, Water-Aid, WES-Net India, Government of India, member agencies, at India Habitat Centre (IHC), Lodhi Road, New Delhi, India, during June 28-30, 2010, *Indian Journal of Environmental Protection*, Vol.30, No.9, Sep., 2010, pp.viii (editorial page).
469. Chauhan, S.N. and Bhargava, D.S., "Environmental Strategies for Rural India," presented as an Invited talk at the National Conference on Management of Technologies for Advancing Rural India, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, and S.D. College of Management Studies, Muzaffarnagar during February 5 and 6, 2011, vide, *Conf. Proc.* pp. 3-9.
470. Bhargava, D.S. and Rajagopal, K., "Modelling for a Class-II Sedimentation-Part I : Preliminaries, Experimentation and Modelling," *Indian Journal of Environmental Protection*, Vol.31, No.4, Apr., 2011, pp.265-278.
471. Bhargava, D.S. and Rajagopal, K., "Modelling for a Class-II Sedimentation-Part II : Alternative Modelling Based on the Data of Other Authors and Part III : Modelling Utilizing the Polynomial approach," *Indian Journal of Environmental Protection*, Vol.31, No.7, Jul., 2011, pp.529-543.
472. Shukla, S. P., Agrawal, V., Singh, N.B., (Ms) Shukla, R., Bhargava, D.S., Behera, S.N., "Water Quality Index of Surface Water in an Industrial Area in Kanpur City," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol.92, Sep., 2011, pp. 18-22.
473. Bhargava, D.S. and Shrihari, S., "Benthic Sludge Stabilization in the River Ganga at Kanpur : Part 1 – Field Observations," *Indian Journal of Environmental Protection*, Vol.31, No.9, Sep., 2011, pp.705-713.

474. Bhargava, D.S. and Shrihari, S., "Benthal Sludge Stabilization in the River Ganga at Kanpur - Part 2," *Indian Journal of Environmental Protection*, Vol.31, No.10, Oct., 2011, pp.793-800.
475. Bhargava, D.S., "Ganga most Deserves a World Heritage Status," *Aditya International Journal of Research in Technology and management*, Vol.1, Issue 6, Nov., 2011, pp.1-16, also printed in the on-line International Journal of Contemporary Practices, as "Ganga most Deserves a World Heritage Status – Part I, Vol. 1, Issue 7, pp.1-16.
476. Bhargava, D.S., "Permanent Foolproof Prevention of Pollution of Ganga (Ganga most Deserves a World Heritage Status – Part II)," *Aditya International Journal of Research in Technology and management*, Vol.1, Issue 7, Dec., 2011, pp.1-19 also printed in the on-line International Journal of Contemporary Practices, as "Permanent Foolproof Prevention of Pollution of Ganga (Ganga most Deserves a World Heritage Status - Part II), Vol. 1, Issue 8, pp.1-19.
477. Bhargava, D.S. and Rajagopal, K. 'Design Example in Support of Flocculated Settling Models,' *Journal of the Institution of Public Health Engineers, India*, Vol. 2012-13, No. 1, Apr., 2012, pp. 32-46.
478. Bhargava, D.S., "Editorial focusing on socio-political causes for failure of Ganga cleaning", *Indian Journal of Environmental Protection*, Vol.32, No.5, May, 2012, pp.vii-viii (editorial pages).
479. Tyagi, B., Kapoor, R., Sinha, D. and Bhargava, D.S., "Enhanced One Dimensional Modeling for Predicting Concentration of BOD in rivers," *Journal of Natural Science Research, International Institute for Science, Technology & Education, Accelerating Global Knowledge Creation and Sharing, United States & United Kingdom*, Vol.2, No.5, 2012, pp.25-30, also printed online on
480. Bhargava, D.S., Devi, A. and Agarwal, M.M. "Application of the Concept of Counter Current Principle to Filtration," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 9, No.3, Sep., 2012, pp.29.
481. Tyagi, B., Kapoor, R., Sinha, D. and Bhargava, D.S., "Mathematical Modeling and Simulation for Predicting DO Condition in Rivers," *International journal of Environmental Protection*, Vol. 2, Issue 10, Oct., 2012, pp. 29-34, also printed online on
482. Bhargava, D.S., "Appropriateness of Technical Engineering Courses for Indian Women," presented at the November 3, 2012, National Conference on Woman Resource Potential (Constraints & Limitations), organized by the S.D. College of Engineering & Technology, Muzaffarnagar, Conf. Procd., pp 11-12.
483. Patel, P.K., Bhargava, D.S. and Singh, V. K. 'Drainage in Multi Storeyed Buildings,' *Journal of the Institution of Public Health Engineers, India*, Vol. 2012-13, No. 4, Jan., 2013, pp. 25-28.
484. Bhargava, D.S., "Editorial on Dilemma of environmental education in India," *Indian Journal of Environmental Protection*, Vol.33, No.2, February, 2013, pp.vii-viii (editorial pages).
485. Bhargava, D.S., "Kumbh Mela – A Challenge For The Engineering Managers & Research Workers," presented as Sudhananda Chatterjee Memorial Lecture at IPHE (HQ) hall on 9.3.2013 at 6 PM and published in the *Journal of the Institution of Public Health Engineers, India*, Vol. 2013-14, No. 2, Jul., 2013, pp. 43-47
486. Bhargava, D.S., "Management of the Ganga Fairs & Festivals in Haridwar," *Journal of the Institution of Public Health Engineers, India*, Vol. 2013-14, No. 1, Apr., 2013, pp. 20-26.
487. Chandra, U., Bhardwaj, C.K., Kumar, P., and Bhargava, D.S., "Review of the Importance and Curse of Industrialization on Ground Water Quality," *Indian Journal of Environmental Protection*, Vol. 33, No.5, May, 2013, pp.419-426

488. Bhargava, D.S., "On the Severe Environmental Disaster at Badrinath Shrine in Uttarakhand," *Mainstream*, NewDelhi, Vol.LI, No.31, July 19-25, 2013, p.19, also "Editorial on Why a Highly Severe Environmental Disaster at Badrinath Shrine in Uttarakhand," *Indian Journal of Environmental Protection*, Vol.33, No.7, July, 2013, p.viii (editorial page).
489. Bhargava, D.S., "Sand Mining Damages Ganges Riverbed," *World Water (Formerly World Water & Environmental Engineering)*, of *Water Environment Federation, USA*, Vol.36, Issue 4, Jul./Aug., 2013, pp. 43-44 & 65
490. Devi, A., Bhardwaj, M., and Bhargava, D.S., "Vehicular Air Pollution, its Impact on Health and Mitigation Measures," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 10, No.3, Sep., 2013, pp 1-6.
491. Bhargava, D.S., "Upland Flood-Furies: Pseudoism and Socio-Political Causes with Remeies," presented as an inaugural Key-Note at the 23rd & 24th November, 2013 Conference on Management and Technology of control of Disasters," organized by the S.D. College of Engineering & Technology, Muzaffarnagar, and S.D. College of Management Studies, Muzaffarnagar, *Conf. Proc.* pp.1-5.
492. Bhargava, D.S., "Nature's Cure of the Ganga: The Ganga-Jal,' Ch.6 (part III) Our National River Ganga-Lifeline of Millions, (ed. Rashmi Sanghi), *Springer International Publishing, Switzerland* (ISBN 9783-319-00560-0-6), 2014, pp.171-187.
493. Bhargava, D.S., "Pitiable Plight of Environment's Technological Education in India (India's Environmental Education is getting diluted)," *Journal of Indian Water Works Association*, Vol. XXXV No.4, Oct.-Dec., 2013, Vol.XXXXVI No.1, Jan.-Mar., 2014, pp.384-388.
494. Devi, A., Bhardwaj, M., and Bhargava, D.S., "Effect of Urbanization and Automobile Emmission on Ambient Air Quality in Lucknow Ciy and its Control Strategies," *Indian Journal of Environmental Protection*, Vol. 34, No.2, Feb. 2014, pp.111-119.
495. Tiwari, M., Shukla, S.P., Bhargava, D.S. and Kisku, G.C., "Color Removal Potential of Coal Fly Ash – A Low Cost Adsorbent from Aqueous Solutions of Disperse Dyes Used in Textile Mill through Batch Technique," presented at the 21st to 23rd February 2014 International Conference on Environmental Technology and Sustainable Development:Challenges &V Remedies, organized by the Department of Environmental Science, Babasaheb Bhimrao Ambedkar University (A central University), Vidya Vihar, Raebareli Road, Lucknow-226025, Abstract in *Conf. Proc.* Pp.82-83. Full paper published in," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 10, No.4, Dec., 2013, pp 5-8.
496. Singh, N.B., Chauhan, S.N., Khare, A.K., and Bhargava, D.S., "Effect of Earthworm (*Perionyx excavatus*) Population on Substrate pH During Vermicomposting," *Indian Journal of Environmental Protection*, Vol. 34, No.4, Apr., 2014, pp.301-305.
497. Bhargava, D.S., "Pollution Control Strategies Appropriate for Rajasthan Lakes," Invited presented at the 26th to 27th April 2014 National Conference on Energy and Environmental Engineering (NCEEE-2014) organized by the Manda Institute of Technology, Raisar, NH-11, Jaipur Road, Bikaner, 1st page in the Seminar Souveir p.3, Full paper in *Indian Journal of Environmental Protection*, Vol.35, No.6, Jun., 2015, pp.505-513.
498. Bhargava, D.S., "Editorial on A sustainable foolproof pollution control for Ganga and all other rivers," *Indian Journal of Environmental Protection*, Vol.34, No.5, May, 2014, pp.viii (editorial pages).

499. Devi, A., Bhardwaj, M., and Bhargava, D.S., "Air Quality Variation in Kanpur City and its Health related impacts," *Journal of the Institution of Public Health Engineers*, India, Vol. 2014-15, No.2, Jul., 2014, pp. 47-55.
500. Patel, P.K., Bhargava, D.S. and Warsi, T.R., "Problems Arising from Water Supply System in Multi-Storey Buildings," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 11, No.3, Sep., 2014, pp.19-21.
501. Bhargava, D.S., "Editorial on Most severely polluted Ganga, India's national river, will remain a gold-egg giving goose," *Indian Journal of Environmental Protection*, Vol.34, No.10, Oct., 2014, pp.viii (editorial pages).
502. Singh, N.B., Chauhan, S. N., Khare, A.K. and Bhargava, D.S., "Effect of Earthworm (*Perionyx excavatus*) Population on Substrate Density During Vermicomposting," *Indian Journal of Environmental Protection*, Vol.34, No.10, Oct., 2014, pp.838-843.
503. Shukla, S.P., Singh, A., Dwivedi, L., Sharma, K.J., Bhargava, D.S., Shukla, R., Singh, N.B., Yadav, V.P., Markandey, "Minimization of Contact Time for Two Stage Batch Adsorber Design Using Second-Order Kinetic Model for Adsorption of Methylene Blue (MB) on Used Tea Leaves," *International Journal of Scientific and Innovative Research*, P-ISSN 2347-2189, Vol.2, No.1, 2014, pp.58-66.
504. Bhargava, D.S., "Paradox of Management of Quality of Drinking Water Resources," *Our earth* (a quarterly publication devoted to ecology and environment management), Vol.11, No.4, Dec., 2014, p.24-25.
505. Tiwari, M., Shukla, S.P., Mohan, D., Bhargava, D.S. and Kisku, G.C., "Modified Cenospheres as an Adsorbent for the Removal of Disperse Dyes," Hindawi Publishing Corporation, *Advances in Environmental Chemistry*, Hindawi Publishing Corporation, Vol. 2015, Article ID 349254, pp. 1-8.
506. Sharma, O.P., Bhargava, D.S. And Gupta, R.P., "Estimating the Scale of Displacement in Rehabilitation of Dam Oustee in Indian Scenario," *International Journal of Civil Engineering (IJCE)*, ISSN(P): 2278-9987; ISSN(E): 2278-9995, *International Academy of Science, Engineering and Technology*, Vol. 4, Issue 2, Mar., 2015, Paper Id: IJCEMAR201507, pp. 65-70.
507. Bhargava, D.S., "Making a Balanced & Healthy Waste Disposal System," , presented (as invited) at the National Conference on Recent Trends in Engineering & Applied Sciences (NCRTEAS-2015) organized by the Manda Institute of Technology, Bikaner in association with Manda College, Bikaner, during March 20-21, 2015, *Conf. Souvenir cum Abstract Volume*, p.3.
508. Singh, N.B., Chauhan, S. N., Khare, A.K., Bhargava, D.S. and Shukla, S.P., "Model for Optimum Initial Earthworm Population in Vermicomposting," *Indian Journal of Environmental Protection*, Vol.35, No.3, Mar., 2015, pp.188-199.
509. Sharma, O.P., Gupta, R.P. and Bhargava, D.S., "An Insight into Difficulties and Challenges faced by Dam Oustees in India," *International Journal of Scientific Research Engineering & Technology (IJSRET)*, Vol.4, Issue 5, May, 2015, paper No. 121159, pp. 606-609.
510. Markandeya, Singh, A., Shukla, S.P., Mohan, D., Singh, N.B., Bhargava, D.S., Shukla, R., Pandey, G., Yadav, V.P. and Kisku, G.C., "Adsorptive Capacity of Sawdust for the Adsorption of MB Dye and Designing of Two-Stage Batch Adsorber," *Cogent Environmental Science* (2015), 1:1075856, on-line, Aug., 2015.

- 511 Bhargava, D.S., "Message"(invited) at the National Conference on Recent Advancement in Civil and Environmental Engineering (RACEE-2015) organized by the BRCM College of Engineering and Technology, Bahal-127028, Bhiwani, Haryana, during 28th-29th November, 2015, *Conf. Procdgs., p.II*.
- 512 Bhargava, D.S., "Haryana's Water Resources Severely Affected by the Green-Revolution,"(invited paper as Chief Guest) at the National Conference on Recent Advancement in Civil and Environmental Engineering (RACEE-2015) organized by the BRCM College of Engineering and Technology, Bahal-127028, Bhiwani, Haryana, during 28th-29th November, 2015, *Conf. Procdgs., pp..1-2*.
- 513 Bhargava, D.S., "Ram-Setu," *Pensioner's Smarika 2015*, Government Pensioner's Welfare Oeganisation, Shakha-Haridwar, p.83.
- 514 Bhargava, D.S., "Editorial" Glorious the Ganga, *Indian Journal of Environmental Protection*, Vol.36, No.1, Jan., 2016, pp.iv (editorial page), also published in *Pensioner's Smarika 2016*, Government Pensioner's Welfare Oeganisation, Shakha-Haridwar, p.80.
- 515 Bhargava, D.S., "Advances Needed in Environmental Technology,"(invited paper as Chief Guest & Key Note Speaker) at the National Conference on Recent Research In Civil And Environmental Engineering (NCRRC EE-2016) organized by the Department of Civil Engineering, Mandfa Institute Of Technology, Bikaner, during 13th-14th February, 2016, *Conf. Procdgs., pp. 3-5*.
- 516 Tyagi, B., Sinha, Deepa, and Bhargava, D. S. (Guides), "Enhanced one Dimensional Modelling for Predicting BOD-DO Conditions in Rivers," Ph.D. Thesis presented by Ms. Ritu Kapoor to the Department of Mathematics, *Banasthali University (Rajasthan)*, at Banasthali Vidyapith in June 2016 (Viva on 26.02.2017), in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
- 517 Bhargava, D.S., "Editorial" Beware of water and food while out of home, *Indian Journal of Environmental Protection*, Vol.36, No.7, Jul., 2016, pp.v (editorial page) repeated, *Indian Journal of Environmental Protection*, Vol.37, No.5, May, 2017, pp.356 (editorial page).
- 518 Chandra, U., Bhardwaj, C.K., Kumar, P., and Bhargava, D.S., "Review of the Importance & Curse of Industrialization on Ground Water or Impact of Industrial Effluent on Ground Water Quality : A curse of potable water hontage" *Journal of the Institution of Public Health Engineers*, India, Vol. XXXIV, No. 3, Oct., 2016, pp. 12-19.

Tyagi, B., Bhargava, D.S., and Sinha, Deepa (Guides), "Enhanced one Dimensional Modelling for Predicting BOD-DO Conditions in Rivers," Ph.D. Thesis presented by Ms. Ritu Kapoor to the Department of Mathematics, *Banasthali University (Rajasthan)*, at Banasthali Vidyapith in June 2016 (Viva on 26.02.2017), in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.

IN MAGAZINES etc about my published work

1. Citizen Report – Anil Agarwal CSIR Report –1982
 2. Front-Line (the Hindu)-Ganga self cleaning from Citizen report
 3. Surya – Yamuna paper from UK Env'tl poll'n series A
243. Vyapar – Gujarati news paper -31 - Bhargava, D.S., "Water Hyacinth's Utility in Agriculture," (Gujarati) *Vyapaar*, Gujarati Daily, Bombay ed., Wednesday, 14.4.1982, p 5.
- 288- Bhargava, D.S., in "The Ganga can Clean Itself Up Better Than any Other River," an interview, at Roorkee, by Rakesh Kalshian, of Down to Earth, Delhi, Ed., *Down to Earth (Science and Environmental Fortnightly)*: Science and Technology – A River with a Difference, January, 31, 1994, Delhi, pp 37-38.
4. France journalist of the Science vie –Dr. Lopez
- 384 Bhargava, D.S., "Dirty Flows the Yamuna," *Interview by the Editor of Newspeak (A Magazine Produced by Students of School of Convergence, International Management Institute, B-10, Institutional Area, Tara Crescent, New Delhi)*, Issue 3, Jan., 2004, pp 16-17.
5. 471- Bhargava, D.S., in "Is Ganga losing its resilience?," a telephonic interview, at Haridwar, by Ankita Malik, of Down to Earth, Delhi, Ed., *Down to Earth (Science and Environmental Fortnightly)*: Science and Technology, February, 16-28, 2011, Delhi, p. 48.

- 456 Singh, N.B., and Bhargava, D.S., (Guides), "Monitoring and Modelling Study for the Assessment of Ambient Air Quality Surrounding a Thermal Power Plant," M.Tech. Thesis presented by Gyan Shukla to the *Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, Lucknow University*, Lucknow in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
- 457 Singh, N.B., and Bhargava, D.S., (Guides), "Environmental Considerations in Residential Planning of Public and Private Housing Schemes," Case Study, submitted by Vinod Kumar in July 2002, to the *Department of Civil Engineering, Institute of Engineering and Technology, Lucknow*, as part of Master of Technology Programme in Environmental Engineering.
- 458 Singh, N.B., and Bhargava, D.S., (guides), "Environmental Considerations in Town Planning with Special Reference to Lucknow," Case Study, submitted by Dig Vijay Singh in July 2002, to the *Department of Civil Engineering, Institute of Engineering and Technology, Lucknow*, as part of Master of Technology Programme in Environmental Engineering.
- 459 Singh, N.B., Bhargava, D.S., and (from U.P. Pollution Control Board, Lucknow), (guides), ".....," Case Study, submitted by Ajantha Devi in July 2002, to the *Department of Civil Engineering, Institute of Engineering and Technology, Lucknow*, as part of Master of Technology Programme in Environmental Engineering.
- 460 Singh, N.B., and Bhargava, D.S., (Guides), "Study of the Operation of Effluent Treatment Plant of Mohan Meakins Ltd. Lucknow," Case Study, submitted by Chandara Prakash Tripathi in June 2003, to the *Department of Civil Engineering, Institute of Engineering and Technology, Lucknow*, as part of Master of Technology Programme in Environmental Engineering.

- 461 Bhargava, D.S., "Management of Water Quality," presented at the November 13-15, 1987, National Seminar on Recycling and Recovery of Matters, held at SGS Institute of Technology and Science, Indore, India, Sem. *Proc.*
- 462 Bhargava, D.S., "Water Quality Management Strategies," presented as the Opening Session Address at the March 16-17, 1990, Seminar on Recycling and Recovery of Matter, organised by the Government Engineering College, Rewa, India, Sem. *Proc.* pp
- 476 Bhargava, D.S., and Shrihari, S., "Stabilization of Benthic Sludge Deposits," *Asian Journal of Water, Environment and Pollution*, Vol. , No. , 200 , pp pending JNU jr.
- 476 Bhargava, D.S. Awareness hydro... send it
- 477 Bhargava, D.S., Political Science Review ..to Revise and send

r. Bhargava's Ganga Papers

REFERENCES

244. Bhargava, D.S., "Coagulating Capacity of Ganga at Kanpur" at the September 9-11, 1982, International Symposium on Food Industries and the Environment, held at Budapest, Hungary, *Sym. Proc.* pp 133-141, Publishing House of the Hungarian Academy of Sciences (also in, *Developments in Food Sciences*, Vol. 9 : Food Industries and the Environment, J. Hollo, ed., *Elsevier Science Publishers*, P.O. Box 211, 1000 AE Amsterdam, the Netherlands, 1984, Art. pp).
245. Bhargava, D.S., "Most Rapid BOD Assimilation in Ganga and Yamuna Rivers," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No.1, Proc. Paper No. 17674, Feb., 1983a, pp 174-188.
246. Bhargava, D.S., "Use of a Water Quality Index for River Classification and Zoning of Ganga River," *Environmental Pollution, Series B, an International Journal*, England, Vol.6, No.1, Jun., 1983b, pp.51-67.
247. Bhargava, D.S., "Very Low Altitude Remote Sensing of the Water Quality of Rivers," *Photogrammetric engineering and Remote Sensing, Journal of the American Society of Photogrammetry*, Vol. 49, No.6, Jun., 1983c, pp 805-809.
248. Bhargava, D.S., "A Light Penetration Model for the Rivers Ganga and Yamuna," *International Journal for Development Technology, International Centre for Technical Research*, England, Vol. 1, No.3, Sep., 1983d, pp 199-205.
249. Bhargava, D.S., "Water Quality Survey of the Ganges," *Asian Environment*, Philippines, Vol. 6, No.1, First Quarter, 1984, pp 4-6. (also the December 14-17, 1982, 1st International Conference on Industrial Pollution and Control, Hotel Equatorial, Republic of Singapore, organized by ECOM, Suite 815, World Trade Centre, 1, Maritime Square, Singapore).
250. Bhargava, D.S., "Variations in Quality in the Ganges," *Effluent + Water Treatment Journal*, England, Vol. 25, No.2, Feb., 1985a, pp 61-65.
251. Bhargava, D.S., "Water Quality Variations and Control Technology of Yamuna River," *Environmental Pollution, Series A, an International Journal*, England, Vol. 37, No.4, Apr., 1985b, pp 355-376.
252. Bhargava, D.S., "Expression for Drinking Water Supply Standards," *Journal of Environmental Engineering, American Society of Civil Engineers*, EED, Vol. 111, No. 3, Paper No. 19773, Jun., 1985c, pp 304-316.
253. Bhargava, D.S., "Matching River Quality to Use: Role of Monitoring, Zoning and Classification", *The Environmental Professional, The Official Journal of the National Association of Environmental Professionals*, (NAEP), USA, Vol. 7, Issue No.3 (Quarterly), 1985d, pp 240-247.
254. Bhargava, D.S., "Models for Polluted Streams Subject to Fast Purification," *Water Research, Journal of the International Association on Water Pollution Research and Control*, England, Vol. 20, No.1, Jan., 1986a, pp 1-8.
255. Bhargava, D.S., "DO Sag Model for Extremely Fast River Purification, *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 112, No.3, Paper No. 20696, Jun., 1986b, pp 572-585.
256. Bhargava, D.S., "Modelling for Compounded DO Sags," *Transactions of the Institution of Engineers*, Australia, Civil Engineering, Vol. CE-28, No.3, Jul., 1986c, pp 222-230.
257. Bhargava, D. S., "Nature and the Ganga," *Environmental Conservation, The Scientific Journal Devoted to Global Survival*, Geneva, Switzerland, Vol. 14, No. 4, Winter, 1987, pp 307-318 & 328.
258. Bhargava, D.S., "Why the Ganga (Ganges) Could Not Be Cleaned", *Environmental Conservation*, Switzerland, Vol. 19, No. 2, 1992, pp 170-172.
259. Bhargava, D.S., "The Ganga can Clean Itself Up Better Than any Other River," an interview, at Roorkee, by Rakesh Kalshian, of Down to Earth, Delhi, Ed., *Down to Earth (Science and Environmental Fortnightly)*: Science and Technology – A River with a Difference, January, 31, 1994, Delhi, pp 37-38.
260. Bhargava, D.S., "Sacred but Unclean", *Asian Water Environment, Journal of the Water Environment Federation*, USA, Vol. 1, No. 2, Jul., 1998, pp 13-16.
261. Bhargava, D.S., "Scientific Explanations for Mysteries Associated with Holiness of Ganga," *Civil Engineering Today, Bi-monthly Technical Journal of American Society of Civil Engineers, India Section (ASCE-IS)*, Vol. XXVI, No.3, May-Jun., 2003, pp 6-8.
262. Bhargava, D.S., "Revival of Mathura's Ailing Yamuna River," *The Environmentalist*, The Netherlands, Vol. 26, Issue 2, June, 2006, pp 117-130.

263. Bhargava, D.S., "Dissolved Oxygen Sag Analysis for a Settling Fields Overlapping Type Multi-Wastewater-Outfall," *the Environmentalist, The Netherlands*, Online first w.e.f. Tuesday, September 11, 2007, Vol. 28, No.2, Jun., 2008, pp. 128-136.
264. Bhargava, D.S., "Simplified DO Sag Models for Rapid BOD Removal," *the Environmentalist, The Netherlands*, Online first w.e.f. Thursday, February 19, 2009, Vol. 29, No.3, Sep., 2009, pp. 411-420
265. Bhargava, D.S., "Restoring the Pristine Waters of the Ganga River," *World Water, UK (Water Environment Federation, USA)*, Vol.33, No.2, Mar./Apr., 2010, pp.28-31.
266. Basin, Sub-basin Inventory of Water Pollution, the Ganga Basin Part II (excluding the Yamuna Sub-basin) – Assessment and Development Study of River Basin Series, ADSORBS/7/1982-83, Central Board for the Prevention and Control of water Pollution, New Delhi, India, 1982-1983, 204 pp.
267. Hankin, E.H. , "The Bacterial action of water of the Ganges and Jumna Rivers on Cholera Microbes," *Annales de l'Institut Pasteur*, 1896, pp. 511-5517. [Reproduced in *Man in India*, 18, 1938 pp. 135-152]
268. Editorial, "Ganga and Pollution," *Northern India patrika*, Lucknow (India), December 28, 1981, p.6
269. Pavoni, J.L., Tenney, M.W., and Echelberger, W.F., jun., "Bacterial Exocellular Polymers and Biological Flocculation," *J. Water Pollution Control Federation*, USA, Vol. 44, N0.3, 1972, pp. 414-431
270. Streeter, H.W. and Phelps, E.E., "A Study of the Pollution and Natural Purification of the Ohio Rivers," *U.S. Public Health Service Bull.*, 146, 1925,
271. Velz, C.J., and Gannon, J.J., "Biological Extraction and Accumulation in Stream Self-Purification," 1st International Conf. on Water Pollution research, London, England, Vol.1, 1962, pp.1-5.

BIBLIOGRAPHY

Water pollution control related publications of Prof. Dr. Devendra Swaroop Bhargava

- 1 Bhargava, D.S., "Pollution Control Strategy for Ganga," presented at the December 11-13, 1981, International Symposium on Water Resources Conservation Pollution and Abatement, organized by the Department of Civil Engineering, University of Roorkee, held at Roorkee, India, *Sym. Proc.* pp 31-38.
2. Bhargava, D.S., (Guide), "Pollution Status of River Gomti at Lucknow," M.E. Dissertation by Ram Tirath, Department of Civil Engineering, *University of Roorkee*, at Roorkee in May 1982, (disputed) in partial fulfillment of the requirements for the award of the degree of Master of Engineering (Civil) with specialization in Environmental Engineering.
3. Bhargava, D.S., "The Destiny of Ganga", at the July 7-14, 1982, the First International Symposium on Environmental Technology for Developing Countries, organized by the Institute of Environmental Sciences, Bogazici University, P.K. 2, Benek, Istanbul, Turkey.
4. Bhargava, D.S., "Usefulness of Ganga," *Journal of the Indian Water Works Association*, Vol.14, No.3, Jul. Sep., 1982, pp 239-241.
5. Bhargava, D.S., "Upgradation of Ganga Quality at Kanpur," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.3, Jul.-Sep., 1982, pp 11-14.
6. Bhargava, D.S., "An Ideal Methodology for Evaluation of Effluent Standards," at the August 30-31, 1982, Annual Convention on Water Pollution '82, organized by National Centre for Technical Development, held at Bombay, India, *Conv. Proc.* pp BX-1 -BX-5.
7. Bhargava, D.S., "Remote Sensing for Monitoring Water Pollution," at the August 30-31, 1982, Annual Convention on Water Pollution '82, organized by National Centre for Technical Development, held at Bombay, India, *Conv. Proc.* pp EX-1 -EX-3.

8. Bhargava, D.S., "Improving the Yamuna for Delhites," at the September 9-11, 1982, International Symposium on Food Industries and the Environment, held at Budapest, Hungary, *Sym. Proc.* pp 127-132, Publishing House of the Hungarian Academy of Sciences (also in, *Developments in Food Science, Vol. 9: Food Industries and the Environment*, J. Hollo, ed., *Elsevier Science Publishers*, P.O. Box 211, 1000 AE Amsterdam, the Netherlands, 1984, Art. pp).
9. Tirath, R., and Bhargava, D.S., "Water Quality in Gomti River at Lucknow (U.P.)," *Journal of the Indian Water Works Association*, Vol. 14, No.4, Oct.-Dec., 1982, pp 299-304.
10. Pathak, M.K., and Bhargava, D.S., "Zone Settling Relationships," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.4, Oct.-Dec., 1982, pp 9-16.
11. Maheshwari, R., and Bhargava, D.S., "Water Quality Status of Kali Nadi at Bulandshahr," *Journal of the Institution of Public Health Engineers*, India, Vol. 1982, No.4, Oct.-Dec., 1982, pp 17-23.
12. Bhargava, D.S., "Most Rapid BOD Assimilation in Ganga and Yamuna Rivers," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 109, No.1, Proc. Paper No. 17674, Feb., 1983, pp 174-188.
13. Bhargava, D.S., "Use of a Water Quality Index for River Classification and Zoning of Ganga River," *Environmental Pollution, Series B, an International Journal*, England, Vol. 6, No.1, Jun., 1983, pp 51-67.
14. Bhargava, D.S., "Very Low Altitude Remote Sensing of the Water Quality of Rivers," *Photogrammetric engineering and Remote Sensing, Journal of the American Society of Photogrammetry*, Vol. 49, No.6, Jun., 1983, pp 805-809.
15. Tirath, R., and Bhargava, D.S., "Control of Pollution in Gomti River at Lucknow," *Journal of the Institution of Public Health Engineers*, India, Vol. 1983, No.3, Jul.-Sep., 1983, pp 13-23.
16. Bhargava, D.S., "A Light Penetration Model for the Rivers Ganga and Yamuna," *International Journal for Development Technology, International Centre for Technical Research*, England, Vol. 1, No.3, Sep., 1983, pp 199-205.
17. Bhargava, D.S., "Effect of Subsurface Water on Yamuna Water Quality at Delhi," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 64, Pt. EN 1, Oct., 1983, pp 33-34.
18. Bhargava, D.S., "The Sick Yamuna," *Journal of Indian Water Works Association*, Vol. 15, No.4, Oct.-Dec., 1983, pp 351-353.
19. Bhargava, D.S., "Water Quality Survey of the Ganges," *Asian Environment*, Philippines, Vol. 6, No.1, First Quarter, 1984, pp 4-6. (also the December 14-17, 1982, 1st International Conference on Industrial Pollution and Control, Hotel Equatorial, Republic of Singapore, organized by ECOM, Suite 815, World Trade Centre, 1, Maritime Square, Singapore).
20. Bhargava, D.S., "Risks from Using Unclassified Waters," presented at the February 1-5, 1984, National Seminar on Assessment and Management of Pollution, organized by the School of Environmental Science, held at Jawaharlal Nehru University, New Delhi, India, *Sem. Proc.* p (Abst.)
21. Porey, P.D., and Bhargava, D.S., "Evolving a Technology for Uniform Dispersion of Wastewater Outfalls into Streams," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 64, Pt. EN 3, Jun., 1984, pp 119-123.
22. Bhargava, D.S., "Prevention of Pollution in Yamuna," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 65, Pt. EN 1, Oct., 1984, pp 7-10.
23. Bhargava, D.S., "Equalizing Effect of Impounding at Dak Patthar Along Yamuna," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 65, Pt. EN 1, Oct., 1984, pp 31-34.
24. Maheshwari, R., and Bhargava, D.S., "Pollution Control Programme for Kali Nadi at Bulandshahr (U.P.)," *Journal of the Indian Water Works Association*, Vol. 16, No.4, Oct.-Dec., 1984, pp 359-364.
25. Bhargava, D.S., "Exploitation of the Extremely High Self- Purifying Abilities of the Ganges for its Pollution Abatement Strategies," *Journal of the Institution of Public Health Engineers*, India, Vol. 1984, No.4, Oct.-Dec., 1984, *Spl. Issue*, pp TS III-22 -TS III-27.
26. Bhargava, D.S., "Paradox at the Indian Scene Related to the River Quality Surveys," at the January 20, 1985, 64th Annual Session of the Institution of Engineers, India, Uttar Pradesh State Centre, held at Lucknow, India. *Annual Sess. Proc.* pp 13-16.
27. Bhargava, D.S., "Variations in Quality in the Ganges," *Effluent + Water Treatment Journal*, England, Vol. 25, No.2, Feb., 1985, pp 61-65.
28. Bhargava, D.S., "Water Quality Variations and Control Technology of Yamuna River," *Environmental Pollution, Series A, an International Journal*, England, Vol. 37, No.4, Apr., 1985, pp 355-376.
29. Bhargava, D.S., "Expression for Drinking Water Supply Standards," *Journal of Environmental Engineering, American Society of Civil Engineers*, EED, Vol. 111, No. 3, Paper No. 19773, Jun., 1985, pp 304-316.
30. Bhargava D.S., "Risk Assessment for Pilgrims," *Journal of Environmental Engineering Division. Institution of Engineers*, India, Vol. 65, Pt. EN3, Jun., 1985, pp 99-101.

31. Bhargava, D.S., "Matching River Quality to Use: Role of Monitoring, Zoning and Classification", *The Environmental Professional, The Official Journal of the National Association of Environmental Professionals*, (NAEP), USA, Vol. 7, Issue No.3 (Quarterly), 1985, pp 240-247.
32. Bhargava, D.S., "Remote Sensing for Air Pollution Monitoring," *Journal of the Institution of Public Health Engineers*, India, Vol. 1985, No. 3, Jul. –Sep., 1985, pp 34-38.
33. Bhargava, D.S., "Technology of Rationally Setting Effluent Standards for Water Pollution Administration," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 1, Oct., 1985, pp 12-15.
34. Bhargava, D.S., "Models for Polluted Streams Subject to Fast Purification," *Water Research, Journal of the International Association on Water Pollution Research and Control*, England, Vol. 20, No.1, Jan., 1986, pp 1-8.
35. Bhargava, D.S., "Monographs for DO Sag Parameters in Streams," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN 2, Feb., 1986, pp 39-44.
36. Bhargava, D.S., "DO Sag Model for Extremely Fast River Purification," *Journal of Environmental Engineering, American Society of Civil Engineers*, Vol. 112, No.3, Paper No. 20696, Jun., 1986, pp 572-585.
37. Bhargava, D.S., "Monographs for Stream Pollution Assessment," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 66, Pt. EN3, Jun., 1986, pp 74-79.
38. Bhargava, D.S., "Modelling for Compounded DO Sags," *Transactions of the Institution of Engineers*, Australia, Civil Engineering, Vol. CE-28, No.3, Jul., 1986, pp 222-230.
39. Bhargava, D.S., "Role of Consultants/ Designers in Industrially Caused Pollution Abatement," presented at the December 22- 24, 1986, National Seminar on Status & Growth Strategies of Chemical and Allied Industries (MS-SACOAI-86'), organized by the Institutions of Engineers, India, U.P. State Centre, held at Lucknow, India *Sem. Proc.* pp II-13-II-14.
40. Bhargava, D.S., "Air Pollution Control Strategy," Current Practices in Environmental Science and Engineering, an International Overviews Annual, Vol. 2, Alam Singh and U.S. Sharma, eds., *Geo-Environ Academia*, A-42, Shastri Nagar, Jodhpur, India, 1986, Art. E -9, pp 163-175.
41. Bhargava, D.S., "Legislative considerations for Small Industries for Pollution Abatement" presented at the January 16-18, 1987, National Seminar on Pollution Control of Industrial Effluents, organized by the Department of Civil Engineering, held at Lukhdhiraj Engineering College, Morbi (Gujarat State), India. *Sem. Proc.* pp 78-81.
42. Bhargava, D.S., "Remote Sensing: An Aid during War and Peace Times." *Journal of the Interdisciplinary Panels, Institution of Engineers*, India Vol. 67, Pt. IDP2, Feb., 1987, pp 54-58.
43. Gupta, M.S., and Bhargava, D.S., "Environmental Impacts from the Singrauli Power Generating Complex," *Encology, Monthly Magazine Devoted to Environment, Ecology & Energy Conservation*, India, Vol.1, No. 11, Apr., 1987, pp 1-7.
44. Bhargava, D.S., "Awareness and Education Towards a Better Environmental Control Technology," presented at the June 28-30, 1987, National Seminar on Environmental Impact : Issues, Challenges and Assessment, organized by the Department of Geography, Banaras Hindu University, held at Varanasi, India, *Sem. Proc.* pp 30-31.
45. Bhargava, D.S. "Rational and Accurate Stream BOD Prediction in A Complex Multi-wastewater-outfalls System," *Journal of the Environmental Engineering Division, Institutions of Engineers*, India. Vol. 67, Pt. EN 3, Jun., 1987, pp 50-54.
46. Bhargava D.S., "Exploitability of the River Kali, the Most Polluted Tributary of the Ganges," *Asian Environment*, Philippines, Vol. 9, 3rd Quarter, 1987, pp 28-37.
47. Bhargava, D.S., "Role of Voluntary Organizations in Curbing Solid Waste Related Hazards," at the September 26-27, 1987, National Seminar on Management of Urban Solid Waste, organized by the Institution of Engineers, India, Tamilnadu State Centre, University of Madras & Indian Notational Trust for Art and Cultural Heritage, held at Madras, India, *Sem. Proc.* pp
48. Dongmei, Ms. Yu, and Bhargava, D.S., "Solid Waste Quality Changes and Management in China," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 68, Pt. EN1, Oct., 1987, pp 23-28.
49. Bhargava, D. S., "Nature and the Ganga," *Environmental Conservation, The Scientific Journal Devoted to Global Survival*, Geneva, Switzerland, Vol. 14, No. 4, Winter, 1987, pp 307-318 & 328.
50. Liao, W.Li, Bhargava, D.S., and Das, Ms. J., "Some Effects of Dams on Wildlife," Short Communication, *Environmental Conservation, The Scientific Journal Devoted to Global Survival*, Geneva, Switzerland, Vol. 15, No.1, Spring, 1988, pp 68-70.
51. Anand, T., and Bhargava, D.S., "Environmental Quality Impacts on Tourism," *Encology, Monthly Magazine Devoted to Environment, Ecology & Energy Conservation*, India, Vol. 2, No. 10, Mar., 1988, pp 18-26.
52. Bhargava, D.S., "Natural Purification Capacity of Rivers," *Jal Vigyan Sameeksha*, a publication of High Level Technical Committee on Hydrology, 1st Issue, Vol. III, No. 1, Jun., 1988, pp 125-128.

53. Bhargava, D.S., "Aestheticity of Re-using Wastewater Effluents for Irrigating Public Parks" presented at the October 4-17, 1988, National Seminar on Environmental Management in Hill and Tribal Areas, organized by NAGI, GSNEHR and Department of Geography, held at North-Eastern Hill University (NEHU), Shillong, India, *Sem. Proc.* p 39.
54. Bhargava, D.S., "Water Quality Management Techniques for the Dal Lake of Srinagar (J & K)," *Journal of the Institution of Public Health Engineers*, India, Vol. 1989, No. 3, Jul.-Sep., 1989, pp 15-19. (also presented as the Key Note Address at the November 24, 1988 (10:30 hrs.), National Conference on Management of Lakes & Inland Water Bodies, organized by the IPHE, India, at Hotel Holiday Resort, at Chakaratirtha Road, Puri)
55. Bhargava, D.S., "Pseudoism in Engineering and Environmental Technology, at the September 23-24, 1989, 5th National Conventional of Environmental Engineers and Seminar on Environmental Engineering for Sustainable Development, organized by the Institution of Engineers (India), Tamilnadu State Centre, Madras, *Proc.* pp
56. Viet, Nguyen Trung, and Bhargava, D.S., "Water Quality and Management of the Saigon River in Hochi Minh City (Vietnam)," *Indian Journal of Environmental Health*, Vol. 31, No.4, Oct.-Dec., 1989, pp 321-330.
57. Bhargava, D.S., and Ojha, C.S.P., "A New Strategy of Preventing the Groundwater Pollution," at the April 24-27, 1990, Water and Wastewater '90 Conference (Technical Session: Groundwater Pollution & Environmental Management), organized by Publishers of Water and Wastewater International, at Barcelona, Spain, *Conf. Proc.* pp
58. Soontrapa, Ms. K., and Bhargava, D.S., "Management of Air Pollution in Thailand," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 71, Pt. EN 3, Jun., 1990, pp 13-18.
59. Bhargava, D.S. and Dejene, W.M., "Water Quality Monitoring Using Remote Sensing Technique," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 71, Pt. EN2, Oct., 1990, pp 34-38.
60. Danteravanich, Ms. Somtip, and Bhargava, D.S., "Hazardous Wastes Generation and Management in Hospitals," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 71, Pt. EN 2, Oct., 1990, pp 44-51.
61. Bhargava D.S. "Index Based Management Strategy for Industrial Wastewaters," at the September 16-18, 1991, the Third Industrial Wastewater Seminar, organized by the Department of the Environment, held at Tehran, Iran, *Proc.*
62. Bhargava, D.S., "Pseudoism in the Technology of Environmental Pollution Control," presented at the December 20-24, 1991, 6th Indian Engineering Congress, (Transdisciplinary Premises of Ecology and Environment), held at Pune, India, *Cong. Proc.* pp 374-375.
63. Shrihari, S., and Bhargava, D.S., "Rational Approach, for Emission Standards," presented at the December 29-31, 1991, National Seminar on Environmental Pollution and Strategies for Pollution Control, organized by the Environmental Engineering Section, Department of Civil Engineering, Government Engineering College, held at Ujjain, *Proc.* p 29 (Abst.).
64. Bhargava, D.S., "Why the Ganga (Ganges) Could Not Be Cleaned", *Environmental Conservation*, Switzerland, Vol. 19, No. 2, 1992, pp 170-172.
65. Park, Hee-Jung, and Bhargava, D.S., "Environmental Impacts of Solid Waste Incineration," *Indian Journal of Environmental Protection*, Vol. 12, No.6, Jun., 1992, pp 401-408.
66. Bhargava, D.S., "Desired Policies for Sick Dal Lake Water Quality Upgradation", presented at the June. 7-9, 1993, Fourth National Water Convention, sponsored by Ministry of Water Resources, Government of India, and organized by National Water Development Agency, Government of Kerala, Indian Water Resources Society, held at Thiruvanthapuram, India, *Conv. Proc.* pp III.I-III.9.
67. Bhargava, D.S., "The message of the World Environment Day", The Institution of Engineers (India), *U.P. State Centre News Letter*, Lucknow, Vol. 11, Jul. & Aug., 1993, p 3 (also delivered as the Key Note Address on the World Environment Day, organized by the Institutions of Engineers, India, Madhya Pradesh State Centre, Bhopal on Tuesday, the 5th June, 1990 at 18:30 hrs.)
68. Bhargava, D.S., "The Ganga can Clean Itself Up Better Than any Other River," an interview, at Roorkee, by Rakesh Kalshian, of *Down to Earth*, Delhi, Ed., *Down to Earth (Science and Environmental Fortnightly)*: Science and Technology – A River with a Difference, January, 31, 1994, Delhi, pp 37-38.
69. Tyagi, Ms. B., Bhargava, D.S., and Gakkhar, Mrs. S., "BOD-DO Dispersion Modelling Accounting for Sedimentation," *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 74, Feb., 1994, pp 45-48.
70. Bhargava, D.S., "River BOD Prediction Under Non-Point, Discharge Conditions", *Indian Journal of Engineering & Materials Sciences*, Vol. 1, Feb., 1994, pp 35-40.
71. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Numerical Solution of BOD-DO Dispersion Equations," at the July 11-13, 1994, International Conference on the Role of Mathematics in Modern Engineering (Group AEMG), organized by the School of Mathematical Sciences, Swinburne, University of Technology, held at Melbourne, Australia, The Role of Mathematics in Modern Engineering, Proceedings of AEMC 94, 1st Biennial Engineering Mathematics Conference, A.K. Easton & J.M. Stainer eds., *Conf. Proc.* pp 517-523.

72. Bhargava, D.S., "Dal Lake Clean-up Strategy: An Example for Others?" *Environmental Conservation*, Geneva, Switzerland, Vol. 21, No. 3, Autumn, 1994, pp 269-272.
73. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Numerical Solution for DO Transport Equation", *Indian Journal of Engineering & Materials Sciences* (CSIR), Vol. 1, Aug., 1994, pp 208-212.
74. Bhargava, D.S., "Challenges in Water Pollution Control at Varanasi Ghats," presented at the February 11-15, 1995, International Seminar on Environment, Sustainable Development and Human Health, organized by Department of Geography, Faculty of Science, Banaras Hindu University, held at Varanasi, *Proc.* p 149. (Abst.)
75. Bhargava, D.S., Tyagi, B., and Gakkhar, S., "Polynomialization of the Models for Dissolved Oxygen Sag Parameters," TN, *Water Maritime and Energy, Proceedings of the Institution of Civil Engineers*, U.K., Vol. 112, Mar., 1995, pp 72-74.
76. Bhargava, D.S., "Environmental Engineering and the Menace of Pseudo-environmentalists," Guest Comment (Editorial), *Environmental Conservation*, Geneva, Switzerland, Vol. 22, No. 2, Spring, 1995, pp 5-6.
77. Bhargava, D.S., "Pseudo Environmentalists as the Menace to National Development and Society's Awareness," presented at the November 10-11, 1995, XIth National Convention of Environmental Engineers & Seminar on Environmental Control Technology - Advances, Law and Awareness to Curb Pseudoism, organized by the Institution of Engineers, India, held at Roorkee Local Centre, Roorkee, India, *Proc.* pp 21-27.
78. Gupta, Cap. S., Patel, P.K., and Bhargava, D.S., "Conservancy and Sanitation Maintenance Management of Low Income Housing Areas of Delhi", *Journal of the Institution of Public Health Engineers*, India, Vol. 1996, No. 4, Oct.-Dec., 1996, pp 10-27.
79. Tyagi, B., Gakkhar, S., and Bhargava, D.S. "Numerical Solution for BOD Transport Equation", *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 77, Feb., 1997, pp 35-37.
80. Bhargava, D.S., "Public Awareness and Duty in Curbing Water Leakage," at the March 21, 1997, Seminar on Save Water for Children's Future, organized by the Indian Water Works Association, Lucknow Centre, on the World Water Day, *Proc.*
81. Gupta, Cap. S., Patel, P.K., and Bhargava, D.S., "Water Supply Maintenance Management of Low Income Housing Areas of Delhi," *Encology*, Vol. 11, No. 11, Apr., 1997, pp 21-31.
82. Bhargava, D.S., and Shukla, S.P., "Public Participation in Improving River Water Quality", presented at the June 5, 1997, Seminar on Advance Technology for Water Pollution Abatement & Waste Management, organized by the Indian Water Works Association, Lucknow Centre, on World Environment Day, *Proc.*, Technical Session -I, Sl. No. 1, pp 1-8.
83. Bhargava, D.S., "The Constraints and Problems Associated with Water Pollution Control," presented at the July 7, 1997, Workshop on Pollution Control, organized by the *Club of Lucknow*, held at Lucknow.
84. Bhargava, D.S., "The Ozone Layer & Environment," Key Note Address at the September 16, 1997, World Ozone Day & Paper Meeting organized by the Indian Water Works Association, Lucknow Centre, held at Tulsi Banquet Hall, Hazaratganj, Lucknow reported in Souvenir of IWWA, Lucknow Centre, at the December 27, 1997, Annual General Meeting & Seminar on Recent Trends in Pumps & Conveyance Material In Water Supply and Waste Water System, held at Lucknow, *Proc.*
85. Dwivedi, S., Tiwari, I.C., and Bhargava, D.S., "Water Quality of the River Ganga at Varanasi", *Journal of the Environmental Engineering, the Institutions of Engineers*, India, Vol. 78, Sep., 1997, pp 1-4.
86. Bhargava, DS, "Marine Pollution - Effects and Impact," *Journal of Marine Engineering*, Vol. 37, Jun., 1988, pp 12-16;
87. Bhargava, D.S., "An Appropriate Technology of Waste Water Management on the Ships," (Ship Borne Waste Treatment), presented at the July 16 -17, 1998, Seminar on Protection of Our Environment, organized by the Centre for Marine Engineering Technology, held at INS Shivaji, Lonavla, *Proc.*
88. Bhargava, D.S., "Sacred but Unclean", *Asian Water Environment, Journal of the Water Environment Federation*, USA, Vol. 1, No. 2, Jul., 1998, pp 13-16.
89. Bhargava, D.S., "Foolproof Pollution Control of Indian Rivers," *Indian Journal of Engineering & Materials Sciences*, Vol. 5, No. 4, (Special Issue), Aug., 1998, pp 162-166.
90. Tyagi, B., Gakkhar, S., and Bhargava, D.S., "Mathematical Modelling of Stream DO-BOD Accounting for Settleable BOD and Periodically Varying BOD Source," *Environmental Modeling & Software*, Australia, Vol. 14, 1999, pp 461-471.
91. Bhargava, D.S., "Simplified Air Quality Index for Human Living and Working," *Journal of the Institution of Public Health Engineers*, India, Vol. 1999, No. 3, Jul.-Sep., 1999, pp 45-52.
92. Bhargava, D.S., "Pseudoism in Environmental Education" *Journal of the Institution of Public Health Engineers*, India, Vol. 1999, No. 4, Oct.- Dec., 1999, pp 38-42. (also included in April 17-19, 1996, First International Conference on Environmental Engineering Education and Training, organized by Wessex Institute of Technology, U.K., held at Ashurst Lodge, Ashurst, Southampton, SO407AA, U.K.)

93. Bhargava, D.S., "Can Indian Rivers be Made Pollution Free?", (Environmental Protection Information), *Indian Journal of Environmental Protection*, Vol. 20, No. 6, Jun., 2000, pp 476-480. (also included in April 17-19, 1996, First International Conference on Environmental Engineering Education and Training, organized by Wessex Institute of Technology, U.K., held at Ashurst Lodge, Ashurst, Southampton, SO407AA, U.K.)
94. Dwivedi, S., Tiwari, I.C., and Bhargava, D.S., "Classification of Water Quality of River Ganga at Varanasi", *Indian Journal of Environmental Protection*, Vol.20, No.9, Sep., 2000, pp 688-697.
95. Pande, KS, Sharma, SD, and Bhargava, D.S., "Study on Quality Status of Ramganga River at Moradabad," *Journal of the Environmental Engineering Division, the Institution of Engineers, India*, Vol. 81, Sep., 2000, pp 23-27.
96. Bhargava, D.S., "Indexing of Lakes for Birds Migration (Environmental Protection Information), *Indian Journal of Environmental Protection*, Vol. 21, No. 7, Jul., 2001, pp 671-672.
97. Bhargava, D.S., Pathak, V., and Sharma, S.P., "Counter Measures to Prevent Detection of Defence Installation Secrets by Remote Sensing Techniques," *Indian Surveyor, the Journal of the Institution of Surveyors*, Vol. 56, No. 1 (No. 89 of the Series), Jan., 2002, pp 31-34.
98. Sharma, Lily, Singh, N.B., and Bhargava, D.S., "Environmental Damage in Afghanistan with Special Reference to the US Offensive," *Civil Engineering Today- Bimonthly Technical Journal of American Society of Civil Engineers, India Section (ASCE-IS)*, Vol. XXV, No. 6, Nov. -Dec., 2002, pp 5-8.
99. Bhargava, D.S., "Taming the Indian Public for Solid Waste Management," presented at the December 12- 14, 2002, National Seminar on Solid Waste Management - Current Status and Strategies for Future, organized by the Department of Environmental Science, held at Bangalore University, Jnana Bharathi, Bangalore, *Sem. Proc.*, pp 41-43.
100. Bhargava, D.S., "A Possible Disaster from India's Tehri Dam," *Indian Journal of Environmental Protection (An International monthly Journal dealing with all aspects of environmental pollution and its control)*, Environmental Protection Information, Vol. 23, Number 5, May, 2003, p. 592-597.
101. Bhargava, D.S., "Scientific Explanations for Mysteries Associated with Holiness of Ganga," *Civil Engineering Today, Bimonthly Technical Journal of American Society of Civil Engineers, India Section (ASCE-IS)*, Vol. XXVI, No.3, May-Jun., 2003, pp 6-8.
102. Bhargava, D.S., "Cases of Some Severely Spoiled Pollution Control Efforts in UP & Uttranchal," presented as a Key-Speech at the July 29, 2003, Seminar on River Water Quality & Conservation of Water, organized by the State Human Resource Development Cell, Uttar Pradesh Jal Nigam, held at Hotel Clarks' Awadh, Lucknow, *Proc.*
103. Bhargava, D.S., "Dirty Flows the Yamuna," *Interview by the Editor of Newspeak (A Magazine Produced by Students of School of Convergence, International Management Institute, B-10, Institutional Area, Tara Crescent, New Delhi)*, Issue 3, Jan., 2004, pp 16-17.
104. Bhargava, D.S., "A Positive Solution to India's Water Pollution Problems," presented at the April 30, 2004, Plenary Session of the Workshop on Environmental Pollution: Perspectives & Practices, organized by the Department of Civil Engineering, Institute of Engineering & Technology, held at Lucknow, *Proc.* pp 11-12.
105. Awasthi, V.K., Singh, N. B., Bhargava, D.S., and Singh. M., "Environmental Considerations in Vaastu Culture for Residential Building Organisation," *Journal of the Architectural Engineering Division, Institution of Engineers, India*, Vol. 85, Apr., 2004, pp 1-8.
106. Bhargava, D.S., "Ozone and the Layers' Hoaxy Fears," *Journal of the Institution of Public Health Engineers, India*, Vol. 2004, No. 2, Apr. -Jun., 2004, pp 57-59.
107. Wenkai, Ms. Ma, and Bhargava, D.S., "Impact of Urbanisation on Water Resources and Control of Huangpu River Quality", *Journal of the Institution of Public Health Engineers, India*, Vol. 2004, No. 3, Jul.- Sep., 2004, pp 15-17.
108. Tiwari, R.S., and Bhargava, D.S., "Water Quality Variations in Chao Phraya," *Indian Journal of Environmental Protection*, Vol. 24, No. 9, Sep., 2004, pp 641-653.
109. Bhargava, D.S., "Awareness for Environmental Pollution : Problems & Remedies," Theme paper & Address at the one day Workshop on Environment and Pollution Awareness, organized by the University Polytechnic, Faculty of Engineering & Technology, *Aligarh Muslim University*, on 27th November 2004, published in *Our Earth*, a quarterly magazine devoted to ecology and environment management, Lucknow, Vol.1, No.4, December. 2004, pp 1-3.
110. Bhargava, D.S., "Natural Protection of Human Health from Environmental Protection," *Journal International Medical Sciences Academy*, Vol. 18, No. 3, Jul.-Sep., 2005, pp 136-138.
111. Bhargava, D.S., "A Practical Approach for the management of Street Sanitation and Aestheticity in India," *Our Earth* (a quarterly magazine devoted to ecology and environment management), Vol. 2, No. 3, Sep., 2005, p 7.
112. Bhargava, D.S., "In-Plant Pollution Control & Quality Standards in Industries," presented at the All India Seminar on Frontier Areas of Chemical Engineering Strategies for Future, organized by the Institution of Engineers (India), U.P. State Centre, Lucknow, India, on 18th and 19th March 2006, *Proc.*, p. 22.

113. Bhargava, D.S., "*Pey Jal Sostron Par Dushit Vatavaran (Paryavaran) Ka Kuprabhav Va Usase Bachav*," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 3, No.2, Jun., 2006, p 31.
114. Bhargava, D.S., "Revival of Mathura's Ailing Yamuna River," *The Environmentalist*, The Netherlands, Vol. 26, Issue 2, Jun., 2006, pp 117-130.
115. Tyagi, B. (Ms.), Gakkhar, S. (Ms.), and Bhargava, D.S., "Numerical Solution of BOD-DO Dispersion Equations Accounting for Settleable BOD," *Journal of the Indian Water Works Association*, Vol.38, No.3, Jul.-Sep., 2006, pp 57-65.
116. Tripathi, C.P., Singh, N.B., and Bhargava, D.S., "Qualitative Assessment of River Gomti in Lucknow emphasizing the Trace Metals," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol. 87, Sep., 2006, pp 27-34.
117. Bhargava, D.S., "Deoxygenation and Self Regeneration of Ganga at Kanpur," *Our Earth* (a quarterly publication devoted to ecology and environment management), Vol. 3, No.4, Dec., 2006, p 5-11.
118. Bhargava, D.S., "Dissolved Oxygen Sag Analysis for a Settling Fields Overlapping Type Multi-Wastewater-Outfall," *the Environmentalist*, The Netherlands, Online first w.e.f. Tuesday, September 11, 2007, Vol. 28, No.2, Jun., 2008, pp. 128-136.
119. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-1: Introduction, Pollution and Sources, Water Quality," *Our Earth*, Vol.4, No. 3, Sep., 2007, pp.24-29.
120. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-2: Integrated Expression for Water Quality, Self-Purification and Determination of the Natural Regeneration Capacity of Natural Waters," *Our Earth*, Vol. 4, No. 4, Dec., 2007, pp. 25-32.
121. Bhargava, D.S., "Dangers to Health from Water Supplies in India," presented as a Key Note address at the 4th National Seminar on Recent Strategies of Management, Technology & Environmental Control, organized by the S.D. College of Engineering & Technology, Muzaffarnagar, during 9th and 10th February, 2008, vide *Sem. Proc.* pp. 1-5.
122. Bhargava, D.S., "Technology of self-Purification of Natural Waters-Part-3: Extra-Ordinary High self-Purification Abilities of the ganga River and the Control of Pollution," *Our Earth*, Vol.5, No.1, Mar., 2008, pp.14-19.
123. Bhargava, D.S., Tyagi, B. (Ms.), and Gakkhar, S. (Ms.), "Polynomialization of Bhargava Models for DO Sag Elements," *Journal of the Institution of Engineers (India), Environmental Engineering Division*, Vol. 88, Mar., 28, 2008, pp. 43-55.
124. Sharma, Lily, Chandra, Hem, Bhargava, D.S., and Singh, N.B., "An integrated Biomedical Waste Management and Disposal Plan for Large Hospitals of Lucknow," *Journal International Medical Sciences Academy*, Vol.21, Issue 2, Apr.-Jun., 2008, pp.93-96.
125. Bhargava, D.S., Tyagi, B. (Ms.), and Gakkhar, S. (Ms.), "Polynomialized Model for Critical DO Deficit," *Journal of Environmental Science & Engineering, India*, Vol.50, No.3, Jul., 2008, pp.223-226.
126. 457 Bhargava, D.S., "Simplified DO Sag Models for Rapid BOD Removal," *the Environmentalist*, The Netherlands, Online first w.e.f. Thursday, February 19, 2009, Vol. 29, No. , ., 2009, pp. .
127. Tyagi, B. (Ms.), Gakkhar, S. (Ms.), and Bhargava, D.S., "Modified Scheme for One-Dimensional BOD-DO Model," *Journal of Environmental Science & Engineering, India*, Vol. 200 accepted

Prof Dr. Devendra S. Bhargava's List of papers in the area of Remote Sensing :

272. Bhargava, D.S., Agarwal, G.D., and Bokil, S.D., "Remote Sensing Techniques and the Environment," *Indian Journal of Environmental Health*, Vol. 17, No.4, Oct., 1975, pp 307-317.

1. Bhargava, D.S., and Agarwal, G.D., "Use of Photographs in Stream Pollution Monitoring System," *Journal of the Institution of Public Health Engineers*, India, Vol. 1978, No.2, Apr.-Jun., 1978, pp 22-28, (also presented at the February 21-23, 1976, 2nd National convention on Environmental Engineering, held at IIT Delhi, vide, Vol. 5, No.1, *Proc.* pp T.S. – 417)
2. Bhargava, D.S., "Remote Sensing in Environmental Engineering and Pollution Control," *Indian Surveyor, the Journal of the Institution of Surveyors*, India, Vol. 23, No.2, Jul., 1982, pp 167-169. Bhargava. R., Mathur. R.P., and Bhargava. D.S., "Algal Diversity as Pollution Indicator," *Journal of the Institution of Public Health Engineers*, India, Vol. 1981, No.4, Oct.-Dec., 1981, pp 57-63.
3. Bhargava, D.S., "Remote Sensing for Monitoring Water Pollution," at the August 30-31, 1982, Annual Convention on Water Pollution '82, organized by National Centre for Technical Development, held at Bombay, India, *Conv. Proc.* pp EX-1 -EX-3.
4. **Bhargava, D.S., "Very Low Altitude Remote Sensing of the Water Quality of Rivers," *Photogrammetric engineering and Remote Sensing, Journal of the American Society of Photogrammetry*, Vol. 49, No.6, Jun., 1983, pp 805-809.**
5. **Bhargava, D.S., "A Light Penetration Model for the Rivers Ganga and Yamuna," *International Journal for Development Technology, International Centre for Technical Research*, England, Vol. 1, No.3, Sep., 1983, pp 199-205.**
6. Bhargava, D.S., "Ecological Applications of Remote Sensing," *Journal of the Environmental Engineering Division, Institution of Engineers, India*, Vol. 65, Pt. EN 2, Feb., 1985, pp 54-56.
7. Bhargava, D.S., "Remote Sensing for Air Pollution Monitoring," *Journal of the Institution of Public Health Engineers*, India, Vol. 1985, No. 3, Jul. –Sep., 1985, pp 34-38.
8. Bhargava, D.S., "Remote Sensing Concepts and Applications", *Indian Surveyor, Journal of the Institution of Surveyors*, India, Vol. 27, No. 1, Jan., 1986, pp 67-79.
9. Pein, L.K., Ying, Mrs. W.C., and Bhargava, D.S., "Concepts and Technology of Environmental Information System," *Journal of the Institution of Public Health Engineers*, India, Vol. 1986, No. 4, Oct-Dec., 1986, pp 6-15.
10. **Bhargava, D.S., "Remote Sensing: An Aid during War and Peace Times." *Journal of the Interdisciplinary Panels, Institution of Engineers*, India Vol. 67, Pt. IDP2, Feb., 1987, pp 54-58.**
11. Bhargava, D.S., "Remote Sensing in Public Health Engineering", presented at the December 21-23, 1989, (as Opening Session Chairman Address), National Symposium on Engineering Application of Remote Sensing and Recent Advances, organized by the Indian Society of Remote Sensing, Indore Chapter, held at SGS Institute of Technology and Science, Indore, India, *Proc.*
12. Mariam, D.W., and Bhargava, D.S., "Environmental Impact Identification and Assessment using Remote Sensing Technique", at the December 21-23, 1989, National Symposium on Engineering Application of Remote Sensing and Recent Advances, organized by the Indian Society of Remote Sensing, Indore Chapter, held at SGS Institute of Technology and Science, Indore, India, *Proc.*

13. Bhargava, D.S., and Mariam, Dejene W., "Spectral Reflectance Relationships to Turbidity Generated by Different Clay Materials," *Photogrammetric Engineering and Remote Sensing, Journal of the American Society of Photogrammetry and Remote Sensing*, Vol. 55, No. 2, 1990, pp 225-229.
14. Bhargava, D.S., (Guide), "Relation of Environmental and Water Quality Parameters using Remotely Sensed Data," Ph.D. Thesis, presented by Dejene Wolde Mariam to the Department of Civil Engineering, *University of Roorkee* at Roorkee, in August 1990, in fulfillment of the requirements for the award of the degree of Doctor of Philosophy.
15. Bhargava, D.S. and Dejene, W.M., "Water Quality Monitoring Using Remote Sensing *n*, Technique," *Journal of the Environmental Engineering Division, Institution of Engineers*, India, Vol. 71, Pt. EN2, Oct., 1990, pp 34-38.
16. Bhargava, D.S., and Mariam D.W., "Effects of Suspended Particle Size and Concentration on Reflectance Measurements," *Photogrammetric Engineering and Remote Sensing, American Society for Photogrammetry and Remote Sensing*, Vol. 57, No. 5, May, 1991, pp 519-527.
17. Bhargava, D.S., and Mariam, D.W., "Light Penetration Depth, Turbidity and Reflectance Related Relationships and Models," *ISPRS Journal of Photogrammetry and Remote Sensing*, FR Germany, Vol. 46, 1991, pp 217-230.
18. Bhargava, D.S., and Mariam, D.W., "The Effect of Variation in Suspended Sediment Properties on Reflectance Measurements," *Photonirvachak Journal of the Indian Society of Remote Sensing*, Vol. 20, Nos. 2 & 3, Jun. & Sep., 1992, pp 139-152.
19. Bhargava, D.S., "The Sixth Sense (Remote Sensing in Civil Engineering)," *Indian Architect and Builder*, Vol. 5, No. 11, Jul., 1992, pp 58-61.
20. Bhargava, D.S. and Mariam, D.W., "Cumulative Effects of Salinity and Sediment Concentration on Reflectance Measurements," *International Journal of Remote Sensing, England* , Vol.13, No.11, 1992, pp.2151-2159
21. Bhargava D.S., and Mariam D.W., "Effects of Particle Sizes on the Turbidity Evaluation," *Journal of the Institution of Engineers, India, Environmental Engineering Division*, Vol. 74, Feb., 1994, pp 27-34.
22. Bhargava, D.S., Rajagopal, K., and Mariam, D.W., "Turbidity Predictions from Suspension's Concentrations and Characteristics" *Indian Journal of Engineering and Materials Sciences*, Vol. 2, Oct., 1995, pp 217-220.
23. Bhargava D.S., and Mariam, D.W., "A Remote Sensing Aid in the Prediction of Vertical Suspended Sediment Distribution Level in Reservoirs", *Indian Surveyor, Journal of the Institution of Surveyors*, India, Vol. 47, No. 2, Jul., 1996, pp 42-48.
24. Bhargava, D.S., and Mariam, D.W., "Spectral Reflectance Curves and Models for Varied Suspended Sediment Types and Concentrations Under Laboratory Conductions", *Indian Journal of Environmental Health*, Vol. 38, No. 4, Oct. – Dec., 1996, pp 274-285.

25. Bhargava, D.S., "Concepts of Monitoring Air Quality Using Remote Sensing Techniques," *India Surveyor, the Journal of the Institution of Surveyors*, India, Vol. 55, No. 1 (No. 87 of the Series), Jan., 2001, pp 32-34 (also presented at the November 20, 2000, 44th Annual General Meeting's Technical Session of the Institution of Surveyors, India, at the Raman Auditorium of the DST, New Delhi) . .
26. Bhargava, D.S., Pathak, V., and Sharma, S.P., "Counter Measures to Prevent Detection of Defence Installation Secrets by Remote Sensing Techniques," *Indian Surveyor, the Journal of the Institution of Surveyors*, Vol. 56, No. 1 (No. 89 of the Series), Jan., 2002, pp 31-34. 22, No. 8, Aug., 2002, pp 910-913.
27. Bhargava, D.S., "Distance Education Needs of Land Surveying", presented at the September 7, 2002, National Seminar on Distance and Continuing Education in Surveying Disciplines, organized by the Institution of Surveyors, New Delhi, held at the Surveyor General's Office, Survey of India, Department of Science and Technology, Hathibarkala, Dehradun, *Sem. Proc.* pp 18 – 20.
28. Bhargava, D.S., "Recent Advances in Remote Sensing Techniques for Medical Diagnosis," *Indian Surveyor, The Journal of the Institution of Surveyors*, Vol. 57, No. 1 (No. 91 of the Series), Jan., 2003, pp 73-75. (also presented at the November 29, 2002, 46th AGM of the Institution of Surveyors)
29. Devi, Ajantha, Tangri, A.K., Singh, N.B., and Bhargava, D.S., "Study of Meandering of Gomti River Using Remote Sensing Techniques," *Indian Surveyor, The journal of the Institution of Surveyors*, India, Vol. 57, No. 1 (No. 91 of the Series), Jan., 2003, pp 76-85
30. Singh N.B., Tangri, A.K., and Bhargava, D.S., (Guides), "Monitoring Dynamics of a Part of Gomti River System in Space and Time – An Assessment of its Impact on Water Quality and the Environment," **M.Tech. Thesis** presented by Ms. Ajantha Devi to the Department of Civil Engineering, Institute of Engineering and Technology, Lucknow, *Uttar Pradesh Technical University*, at Lucknow, in June 2003, in partial fulfillment of the requirements for the award of the degree of Master of Technology in Environmental Engineering.
31. Devi, Ajantha, Tangri, A.K., Singh, N.B., and Bhargava, D.S., "Environmental Impact of Meandering," *Indian Journal of Environmental Protection*, Environmental Protection Information, Vol. 23, No. 7, Jul., 2003, pp 825-831.
32. Pathak, Virendra, Bhargava, D.S., and Sharma, S.P., "GPS Applications in Mapping and Utility Services", *Indian Surveyor, The Journal of the Institution of Surveyors*, India, Vol. 57, No. 2 (No. 92 of the Series), Jul.-Dec., 2003, pp 41-46.
33. **Bhargava, D.S., and Mariam, D.W., "Effects of Light Zenith Angle Variation on Spectral Responses of a Water Body's Environmental Quality," *The Environmentalist, Journal of the Springer Science + Business Media Inc.*, The Netherlands, Vol. 24, 2004, pp 237-247.**
34. Devi, A. and Bhargava, D.S., "Some Applied Researches from Remote Sensing," *Indian Surveyor, the Journal of the Institution of Engineers, India*, Vol. 62, No. 2, Jul., 2007, pp.44-49
35. Singh, N.B., Bhargava, D.S., and (from U.P. Pollution Control Board, Lucknow), (guides), ".....," Case Study, submitted by Ajantha Devi in July 2002, to the *Department of Civil Engineering, Institute of Engineering and Technology*, Lucknow, as part of Master of Technology Programme in Environmental Engineering.

