**LIST OF AWARDS / GOLD MEDALS / PROZES / etc.**

To

**Professor (Er.) Dr. Devendra Swaroop Bhargava**

Former Professor (Environmental) of Roorkee University (now IIT Roorkee)

Bhargava Lane, Devpura, HARIDWAR 249 401, UttraKhand, India

1. 10.02.1978 at the Inaugural function of the 4th National Convention on Environmental Engineering held at Banaras Hindu University, Varanasi (U.P.), **CERTIFICATE OF MERIT** for the paper “Accounting for Microbial Populations in Mathematical Models for Self-purification in Streams” by G.D. Agarwal and D.S. Bhargava, ranked third during presention in Technical Session C of the 3rd National Convention on Environmental Engineering held at Madras (T.N.) during January 27-29, 1977, published in the *Journal of the Institution of Public Health Engineers (India),* Vol.1977, No.1, Jan.-Mar., 1977, pp 7-14.

2. 09.02.1979 at the Inaugural function of the 5th National Convention on Environmental Engineering held at Central Mechanical Engineering Research Institute, Durgapur (West Bengal), **BEST PAPER AWARD** for the paper “Use of Integrated Quality Indices in Water Pollution Control” by G.D. Agrawal and D.S. Bhargava, presented in Technical Session B of the 4th National Convention on Environmental Engineering held at Banaras Hindu University, Varanasi (U.P.) during February 1978, published in the *Journal of the Institution of Public Health Engineers (India),* Vol.1977, No.4, Oct.-Dec., 1977, pp 95-100.

3. 17.02.1985 at the Inaugural function of the 65th Annual Convention of the Institution of Engineers (India) held at Ravindra Manch, Jaipur (Rajasthan), **THE SHRIMATI SAROMA SANYAL MEMORIAL PRIZE** for 1983-84 for the paper “Solids and Nitrogen Conversion during Aerobic Digestion of Activated Sludge” by M.T. Datar and D.S. Bhargava, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.64, Pt.EN2, Feb., 1984, pp 70-74.

4. 12.01.1986 at the Inaugural function of the 66th Annual Convention of the Institution of Engineers (India) held at Bhaikaka Bhawan, Ahmedabad (Gujrat), **NAWAB ZAIN YAR JUNG BAHADUR MEMORIAL GOLD MEDAL** for 1984-85 for the paper “Specific Deposit Variation in Horizontal Filter Employing C0-current Principle” by P.K. Pande and D.S. Bhargava, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.65, Pt.EN2, Feb., 1985, pp 64-69.

5. 08.02.1986 at the Inaugural function of the 65th Annual General Meeting of the U.P. State Centre of the Institution of Engineers (India) held at Lucknow (U.P.), **FIRST PRIZE** for the paper “Paradox at the Indian Scene related to the River Quality Surveys” by D.S. Bhargava presented in the Technical Session of the 64th Annual general Meeting of the U.P. State Centre of the Institution of Engineers (India) held at Lucknow (U.P.) on January 20, 1985, *Annual Session Proceedings*, pp 13-16.

6. 15.12.1986 at the Annual Convocation of the Sardar Patel University, Vallabh Vidyanagaar (Gujrat), vide Registrars’ Notification No.G/22-F/6131 dated 22.10.1986 and 6131(i) dated 25.11.1986, **HARIOHM ASHRAM PRERIT BHAIKAKA INTER UNIVERSITY SMARAK TRUST 1985 PRIZE** for the year 1985, Group A : Civil Engineering, for the paper “Model for Moving Media Reactor Performance” by D.S. Bhargava and D.J. Bhatt, published in the *Journal of Environmental Engineering, American Society of Civil Engineers,* Vol.111, No.5, Oct., 1985, pp 618-633.

7. 10.01.1987 at the Inaugural function of the 1st Indian Engineering Congress held at Netaji Indoor Stadium, Calcutta (West Bengal), **NAWAB ZAIN YAR JUNG BAHADUR MEMORIAL GOLD MEDAL** for 1985-86 for the paper “Effects of Initial BOD/COD Concentration on Kinetics of BOD/COD Reductions during Aerobic Digestion of Activated Sludge” by M.T. Datar and D.S. Bhargava, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.66, Pt.EN2, Feb., 1986, pp 52-58.

8. 22.01.1989 at the Inaugural function of the 3rd Indian Engineering Congress held at Swami Sivananda Road, Madras (T.N.), **THE PROF. R.C. SINGH GOLD MEDAL** for 1987-88 for the paper “Rational and Accurate Stream BOD Prediction in a Complex Multi-Wastewater-Outfalls System” by D.S. Bhargava, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.67, Pt.EN3, Jun., 1987, pp 50-54.

9. 09.02.1989 at the Inaugural function of the 21st Annual Convention of the Indian Water Works Association held at Government College of technology, Coimbatore (T.N.), **FIRST PRIZE** for the paper “The Technology of Water Reuse in Industries – A Rational Approach” by D.S. Bhargava and D.J. Killedar presented in the 20th Annual Convention of the Indian Water Works Association held at Indore during February 10-14, 1988, published in the *Journal of the Indian Water Works Association,* Vol.20, No.1, Jan.-Mar., 1988, pp 107-109.

10. 31.12.1989 at the Inaugural Session of the 4th Indian Engineering Congress held at Utkal Sangeet Mahabidyalaya, Bhubneshwar (Orissa), **THE PROF. R.C. SINGH GOLD MEDAL** for 1988-89 for the paper “Monographs for the Design of Rapid Gravity Filter Beds” by D.S. Bhargava and C.S.P. Ojha, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.69, Pt.EN2, Feb., 1989, pp 37-38.

11. 16.12.1990, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1989-90 for the paper “Effect of Influent Turbidity on the Filtration Rate of Counter-current Operated Horizontal Filters” by P.K. Pande and D.S. Bhargava, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.70, Pt.EN1, Jun., 1989, pp 4-6.

12. 21.12.1991, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1990-91 for the paper “Water Quality Monitoring using Remote Sensing Techniques” by D.S. Bhargava and D.W. Mariam, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.71, Pt.EN2, Feb., 1990, pp 34-38.

13. 13.02.1993 at the Inaugural Session of the 7th Indian Engineering Congress held at Indian Institute of Science, Bangalore (Karnataka), **NAWAB ZAIN YAR JUNG BAHADUR MEMORIAL PRIZE** for 1991-92 for the paper “A Unified Rational Model for Initial Headloss in Rapid Gravity Filters” by D.S. Bhargava and C.S.P. Ojha, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.72, Pt.EN1, Jun., 1991, pp 1-3.

14. 01.01.1994 at the Inaugural function of the 8th Indian Engineering Congress held at Vigyan Bhawan, New Delhi, **THE SURENDRA NATH MUKHERJEE MEMORIAL PRIZE** for 1992-93 for the paper “Water Defluoridation with Fish Bone Charcoal” by D.S. Bhargava and D.J. Killedar, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.73, Pt.EN3, Feb., 1993, pp 59-64.

15. 01.01.1994 at the Inaugural function of the 8th Indian Engineering Congress held at Vigyan Bhawan, New Delhi, **NAWAB ZAIN YAR JUNG BAHADUR MEMORIAL PRIZE** for 1992-93 for the paper “Analysis of Class-II Settling Column Data for Domestic Wastewater” by K. Rajagopal and D.S. Bhargava, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.73, Pt.EN3, Feb., 1993, pp 65-69.

16. 10.01.1994, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1992-93 for the paper “Modelling of Thickener Area for Aluminium Hydroxide Floc” by D.S. Bhargava and K. Rajagopal, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.73, Pt.EN1, Jun., 1992, pp 15-18.

17. 10.01.1994, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1992-93 for the paper “Alternate Analysis of Class-I Sedimentation” by K.Rajagopal and D.S. Bhargava, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.73, Pt.EN3, Feb., 1993, pp 53-58.

18. 08.11.1994 at the Indian National Science Academy Auditorium, New Delhi, the University Grants Commission (Government of India)’s, vide UGC Chairman (Prof. G. Ram Reddy)’s letter D.O. No. F.3-1/94 (SA-II) dated 20.10.1994, **THE SWAMI PRANAVANANDA AWARD** for significant contributions in the area of **ENVIRONMENTAL SCIENCE AND ECOLOGY** for 1992.

19. 23.12.1995, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1994-95 for the paper “Phosphate Adsorption on the Tamarind Nutshell Based Activated Carbon” D.S. Bhargava and S.B. Sheldarkar, published in the *Journal of the Environmental Engineering Division, the Institution of Engineers (India),* Vol.75, Aug., 1994, pp 1-6.

20. 21.12.1996 at the Inaugural Session of the 10th Indian Engineering Congress held at Indian Institute of Science, Bangalore (Karnataka), **THE INSTITUTION MEDAL** for 1995-96 for the paper “Computer-Aided Decision Making for a Public Supply of Drinking Water” by S.A. Abbas and D.S. Bhargava, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.76, Aug., 1995, pp 5-7.

21. 10.01.1998, the Institution of Engineers (India)’s **THE CERTIFICATE OF MERIT** for 1996-97 for the paper “Numerical Solution for BOD Transport Equation” by Ms. B. Tyagi, Ms. S. Gakkhar and D.S. Bhargava, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.77, Feb., 1997, pp 35-37.

22. 26.7.2002 at Bhartiya Vidya Bhawan, Madras (T.N.), the United Writers’ Association’s, vide UWA Secretary-General (Dr. K. Thiagarajan)’s letter dated 15.3.2001, **LIFETIME ACHIEVEMENT AWARD (CERTIFICATE OF ACHIEVEMENT)** for 2000.

23. 27.9.2002 at New Delhi, the Friendship Forum of India’s, vide FFI General Secretary (Shri Surinder Gopal Wahi)’s letter dated 26.7.2002, **BHARAT EXCELLENCE AWARD and GOLD MEDAL (CERTIFICATE OF EXCELLENCE)** for 2002.

24. 20.12.2002 at the Inaugural function of the 17th Indian Engineering Congress held at Ravindra Bhawan, Patna (Bihar), **THE ENVIRONMENTAL ENGINEERING DESIGN AWARD** [the Institution of Engineers (India)’s National Design & Research Forum] for 2002.

25. 30.12.2003 at the Inaugural function of the 47th Annual General Meeting of the Institution of Surveyors at Department of Science & Technology, New Delhi **THE BEST PAPER AWARD** for 2003 for the paper “Recent Advances in Applications of Remote Sensing Techniques in Medical Diagnosis” by D.S. Bhargava, presented at the 46th AGM of the Institution of Surveyors on 29.11.2002 at New Delhi, 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.

26. 30.12.2003 at the Inaugural function of the 47th Annual General Meeting of the Institution of Surveyors at Department of Science & Technology, New Delhi **THE BEST PAPER AWARD (**in Sub-Division 1(a) – Land Surveying) for 2003 for the paper “Study of Meandering of Gomti River using Remote Sensing Techniques” by Ms. Ajantha Devi, A.K. Tangri, N.B. Singh and D.S. Bhargava, published in *Indian Surveyor, the Journal of the Institution of Surveyors* Vol.57, No.1, (No.91 of the Series), Jan., 2003, pp 76-85.

27. 17.12.2004 at the Inaugural function of the 19th Indian Engineering Congress held at …Auditorium, Mumbai, **THE K.F. ANTIA PRIZE** for 2003-04 for the paper “Vermicomposting of Tomato Skin and Seed Waste” by N.B. Singh, A.K. Khare, D.S. Bhargava and S. Agrawal, published in the *Journal of the Environmental Engineering Division,the Institution of Engineers )India),* Vol.84, Sep., 2003, pp 30-34.

28. 11.02.2007 at the Inaugural function of the 86th Annual General Meeting of the Institution of Engineers (India), U.P. State Centre, held at Lucknow (U.P.), **Er. MUSADDI LAL MEMORIAL AWARD** (best Civil Engineering paper)for the paper “The Paradox of Willful Neglect of Environmental Control” by D.S. Bhargava, 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.).

29. 01.12.2007

30. 15.11.2006 Unanimously Elected as ‘Fellow Emeritus’ of the Institution of Surveyors, India. No. FE-10 dated 05.9.2008.

31. 12.12.2008 at the Prize giving function of the 23rd Indian Engineering Congress held at National Institute of Technology, Warangal (Andhra Pradesh), the **NAWAB ZAIN YAR JUNG BAHADUR MEMORIAL PRIZE** for 2007-2008 for the paper “Polynomialization of Bhargava Models for DO Sag Elements,” by Bhargava, D.S., Tyagi, B. (Ms.), and Gakkhar, S. (Ms.), published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol. 88, Mar., 28, 2008, pp. 43-55.

32. 11.12.2009 at the Prize Distribution Ceremony of the 24th Indian Engineering Congress held at National Institute of Technology Karnataka, Surathkal, Mangalore, **THE PROF. R.C. SINGH PRIZE** for 2008-2009 for the paper “Modelling for Organics and Nutrients Release during Benthal Sludge Stabilization: Part II – Nutrients” by D.S. Bhargava and S. Shrihari, published in the *Environmental Engineering Journal of the Institution of Engineers (India),* Vol.89, Mar.. 2009 issue, pp 20-24.

33. 14.12.2012 at the Inaugural day of the 27th Indian Engineering Congress held at Vigyan Bhawan, New Delhi, **THE SURENDRA NATH MUKHERJEE MEMORIAL PRIZE** for 2011-12 for the paper “Water Quality Index of Surface Water in an Industrial Area in Kanpur City” by S.P.Shukla, V.Agrawal, N.B.Singh, Ms. R. Shukla, D.S. Bhargava and S.N.Behera, published in the *Journal of the Institution of Engineers (India), Environmental Engineering Division,* Vol.92, Sep., 2011, pp. 18-22.

To be updated