

DR. S.K. GUPTA
S/O SHRI TRIBHUVAN DAS



AWARDS/HONOUR :

- (i) Gold Medal in M.E. for obtaining highest marks in Chemical Engineering.
- (ii) Khosla Award (Silver Medal) for the paper published in international journal.
- (iii) Best paper award for paper published in “International Journal of Chemical & Petrochemical Technology”.
- (iv) Best Citizens of India Award 2016 by International Publishing House, New Delhi.
- (v) Rashtriya Gaurav Award for Meritorious Services, Outstanding Performance and Remarkable Role in Education, by Dr. Bhisma Narain Singh (Ex. Governor Tamilnadu & Assam) at New Delhi on 1st October 2016.
- (vi) Editorial Board Member for the “International Journal of Chemical & Petrochemical Technology.”

SPECIALIZATION :

Membrane Separation Processes, Computer Aided Design, Modeling, Simulation and Optimization of Chemical Processes.

EXPERIENCE (ACADEMIC AND INDUSTRIAL) :

21 years of academic and industrial experience.

RESEARCH PROJECT UNDERTAKEN :

- (i) A project completed on “Studies on Oxidation of organic compounds in waste water” sponsored by AICTE, New Delhi. (Rs.4.40 lac)
- (ii) A project completed on “Studies on Degradation of organic compounds by natural and Artificial UV Radiation” sponsored by AICTE, New Delhi. (Rs. 12.85 lac)

RESEARCH GUIDED :

- (a) Research project guiding for Ph.D.

Guiding two research scholars.

- (b) Research project guided for M. Tech.

Guided nineteen M.Tech students and three are under progress.

SHORT TERM COURSE/WORKSHOP ORGANISED:

1. STC on 'Optimization Techniques for Engineers' from 23rd March'09 to 28th March'09 in H.B.T.I. sponsored by ISTE/AICTE, New Delhi.
2. Workshop on "Occupational Health and Safety Management Practices" from 3rd Oct'16 to 5th Oct'16 in Landmark Hotel by HBTU Kanpur in association with ESCI, Hyderabad.

ADMINISTRATIVE ASSIGNMENTS:

1. Chief Proctor of HBTU, Kanpur.
2. Head, Chemical Engineering Department.
3. Officer Incharge Guest House from April'10 to Dec'11
4. Warden G.V. Hostel of the H.B.T.I. from 1999 to 2001, 2005 to 2007 and 2013 to 2015.
5. Warden L.V. Old Hostel from 2015 to 2016.
6. Coordinator H.B.T.I.- U.P.T.U for UG and PG courses from 2000 to 2007.
7. Served as Deputy Controller of Examination.
8. Served as Deputy Coordinator of Time Table Committee of H.B.T.I..
9. Served as Incharge Time Table of Chemical Engineering Department.
10. Served as UG & PG Coordinator for Chemical Engineering Department.

PUBLICATIONS:

1. S.K. Gupta, S.N. Sinha & A.K. Agrawal, "Modelling and simulation of Membrane Separation System for Purge Gas", J. Chem. Tech., Vol. 1,1994,135.
2. S.K. Gupta & S.N. Sinha, "Effect of axial Diffusion and Fiber Deformation on the Performance of the Purge Gas Permeator", Ind. Eng. Chem. (Res), 35, 1996, 4375. (ISSN: 0888-5885)
3. Sonila Awasthi, S.K. Gupta & S.K. Awasthi, "Sources Responsible for Increase in Fluoride Concentration in Ground Water and its Prescribed Standards", Indian Journal of Environmental Protection, 22, 2002, 228.
4. R.K. Jain, A. Dubey, A. Soni, T.C. Shami and S. K. Gupta "Barium titanate flakes based composites for microwave absorbing applications", Processing and Application of Ceramics, Vol-7, 2013, pp 189-193. (ISSN: 1820-6131).

5. S. K. Gupta & Nishtha Rathore, "Removal of Heavy Contaminants (Arsenic, Cadmium and Lead) from Synthetic Waste Water using Iron Impregnated Activated Carbon", Journal of Basic and Applied Research, Vol. 2, No. 1, 2015, pp 15-19 (Print ISSN: 2350-0077, Online ISSN: 2350-0255).
6. P. K. Srivastava & S. K. Gupta, "Removal of Chromium from Waste Water by Adsorption method using Agricultural Waste Materials", International Journal of Chemical Science and Application, Vol-6, No.1, 2015, pp 1-5, (ISSN: 0976-2590, Online ISSN: 2278-6015).
7. N. Mridul & S. K. Gupta "Removal of Chromium (VI) from Aqueous Solution by using Mango, Neem and Eucalyptus Tree Parts" International Journal of Chemical Science and Application, Vol-6, No.1, 2015, pp 37-41, (ISSN: 0976-2590, Online ISSN: 2278-6015).
8. S. K. Gupta "Removal of Phenol from Waste Water using Hydrogen Peroxide", Energy Research and Environmental Management: An Innovative Approach, 2015, pp 6-10 ISBN: 978-81-930585-2-7
- 9.
10. S. K. Gupta & Neeta Singh "Removal of Arsenic from Synthetic Waste Water using Adsorption Process", International Journal of Chemical & Petrochemical Technology (IJCPT), ISSN (online): 2319-4464, ISSN (print): 2277-4807, Vol-6, Issue-1, pp.7-12, Feb2016.
11. S. K. Gupta & Neeta Singh "Adsorption of Heavy Metals: A Review", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN (online): 2319-8753, ISSN (print): 2347-6710, Vol-5, Issue-2, pp. 2267-2281, Feb2016.
12. S. K. Gupta & Shilpi Agarwal "Arsenic Removal from Water: A Review", International Journal of Recent Scientific Research (IJRSR), ISSN (online): 0979-3031, Vol-7, Issue-5, pp-18212-18292, May2016.
13. S. K. Gupta, Shahida, Sandeep & Neeta Singh "Reactive Extraction A Boom for Itaconic Acid: A Review", International Journal of Recent Scientific Research (IJRSR), ISSN (online): 0979-3031, Vol-7, Issue-5, pp-11372-11376, May2016.
14. S. K. Gupta and Latika Dixit "Defluoridation of Water From Low Cost Adsorbents: A Review" International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN (online): 2319-8753, ISSN (print): 2347-6710, Vol – V, Issue- 7, pp- 14006 – 14022, July2016.
15. S. K. Gupta & Devki Nandan Swami "Adsorption Kinetics for the Removal of Chromium(VI) from Synthetic Waste Water Using Adsorbent Derived from Saw Dust, Bark and Rice Husk", Recent Advances in Chemical Engineering, Springer Publication, pp153-163, October 2016.

Reviewer:

- (i) Journal of Petroleum and Gas Engineering.
- (ii) World Journal of Engineering and physical Sciences.

- (iii) Material Science and Engineering B.
- (iv) International Journal of Chemical & Petrochemical Technology.

Member Editorial Board:

- (i) International Journal of Chemical & Petrochemical Technology.

Conferences:

International

1. S. K. Gupta & R. S. Tripathi, "Industrial Disorders-Causes & Cure", presented in an International Conference held in Dec'2000 at International Disordered-Systems Associates Society, Allahabad.
2. Sonila Awasthi, S.K. Gupta & S.K. Awasthi, "Defluoridation of Sub Soil Water by Using Ground Nut Husk Carbon", International Conference on " Water and Waste Water: Perspectives of Developing Countries", held from 11th – 13th Dec.02 at I.I.T. Delhi in association with International Water Association.
3. S.K. Gupta & S.N. Sinha, "Effect of recycle on multistage purge gas permeator", International Conference on "Chemical and Bioprocess Engineering" held from 27th Aug03 to 29th Aug03 at University Malaysia, Kota Kinabalu, Sabah, Malaysia, Vol. –1, Page no.1-7.
4. S.K. Gupta & S.N. Sinha, "Performance of Single Stage Permeator: With and Without Recycle for Purge Gas", International Conference on "Energy and Environmental Technologies for Sustainable Development" held from October 8-10, 2003 by Malaviya National Institute of Technology, Jaipur, Environmental Technologies for Sustainable Development, Page no. 266-272.
5. Sonila Awasthi, S.K. Gupta & S.K. Awasthi, "Removal of Fluoride from Water by using Activated Alumina", International Conference on "Energy and Environmental Technologies for Sustainable Development" held from October 8-10, 2003 by Malaviya National Institute of Technology, Jaipur, Environmental Technologies for Sustainable Development, Page no. 161-164.
6. S. K. Gupta & Nishtha Rathore, "Removal of Heavy Contaminants (Arsenic, Cadmium and Lead) from Synthetic Waste Water using Iron Impregnated Activated Carbon", International Conference on Chemical, Environmental, Bioprocess, Textile, Mining, Material and Metallurgical Engineering, (CEBTME-2014) held at JNU New Delhi on 17th and 18th January 2015.
7. S. K. Gupta "Removal of Phenol from Waste Eater using Hydrogen Peroxide", International Conference on "Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development" (ASET 2015) held at JNU New Delhi on 14th and 15th February 2015.
8. S. K Gupta & Devki Nandan, " Adsorption Kinetics for the Removal of Chromium (VI) from Synthetic Waste Water using Adsorbent Derived from Saw Dust, Bark and Rice Husk", International Conference on Advances in Chemical Engineering (ICACE 2015) held at NITK Surathkal on 20 - 22 December 2015.

9. Paper "Solid Wastes; A Potential Energy Source", presented in IIChe National Conference in 2000.
10. Paper "Photocatalytic Destruction of Organic Compounds from Wastewater", presented in IIChe National Conference in 2001.
11. S.K. Gupta & A.K. Mishra, "Effects and Control of Air pollution with special reference to NO_x", All India Conference on "Environmental Management Systems in Chemical & Allied Industries", held on 4th – 5th Oct.02 at IE(I) Kanpur Local Centre in association with H.B.T.I. Kanpur.
12. S.K. Gupta & R.S. Tripathi, "EIA for Launching a New Project" All India Conference on "Environmental Management Systems in Chemical & Allied Industries", held on 4th – 5th Oct.02 at IE(I) Kanpur Local Centre in association with H.B.T.I. Kanpur.
13. A.K. Suman, S.K. Gupta & O.P. Rama, "Photocatalytic Oxidation of Phenol from Industrial Waste Water", All India Conference on "Environmental Management Systems in Chemical & Allied Industries", held on 4th – 5th Oct.02 at IE(I) Kanpur Local Centre in association with H.B.T.I. Kanpur.
14. Sonila Awasthi, S.K. Gupta & S.K. Awasthi, "Fluoride in Human Health" All India Conference on "Environmental Management Systems in Chemical & Allied Industries", held on 4th – 5th Oct.02 at IE(I) Kanpur Local Centre in association with H.B.T.I. Kanpur.
15. S.K. Gupta & R.S. Tripathi, "Waste Minimization and Recycle - Road Towards Green World" presented in National Conference on "Frontiers of Green Entrepreneurship" held on 14th – 15th Nov.02 at T.T.T.I. Chandigarh.
16. A.K. Gupta, S.K. Gupta & O.P. Rama, "Modeling For Degradation of Phenolic Contaminants from Waste Water", IIChe National Conference (CHEMCON-2003) held on 19th Dec to 22nd Dec03 at Bhuvanashwar.
17. Sandhya Katiyar & S. K. Gupta " Photocatalytic Degradation of Phenol by Sunlight", IIChe National Conference (CHEMCON-2010) held from 27th Dec'10 to 29th Dec'10 at Annalaimai University, Tamilnadu.
18. S. K. Gupta " UV degradation of Phenol from Industrial wastewater", IIChe National Conference (CHEMCON 2011) held from 27th Dec'11 to 29th Dec'11 at MS Ramaiya Institute, Bangalore.
19. Rishi Pal Singh & S. K. Gupta " Removal of flouride from Peepal and Neem Leaves", IIChe National Conference (CHEMCON 2011) held from 27th Dec'11 to 29th Dec'11 at MS Ramaiya Institute, Bangalore.
20. Rahul Dwivedi & S. K. Gupta " Mathematical Modeling of Decomposition of CAP using AOP", IIChe National Conference(CHEMCON 2012) held from 28th Dec'12 to 30th Dec'12 at NIT Jalandhar.
21. Devaki Nandan & S. K. Gupta, "Removal of Chromium from Industrial Waste Water", Natioanl Seminar on Recent Advances in Pollution and Abatement", (RAPA-2014) held from 14th Feb'14 to 15th Feb'14 at Meerut Institute of Technology (MIET), Meerut.

22. Swati Srivastava, Shivendu & S. K. Gupta, "Phenol Degradation by using Fenton's Reagent from Waste Water", National Conference on Innovation & Development in Chemical Technology (IDCT-2014) held from 28th Feb'14 to 1st March'14 at Univ. School of Chemical Tech., Indraprastha University, Dwarka, New Delhi.
23. Shivendu, Swati & S. K. Gupta "Removal of Dyes by Adsorption Process using Activated Charcoal" IChE National Conference(CHEMCON 2014) held from 27th Dec'12 to 30th Dec'12 at Panjab University, Chandigarh

Session Chaired in Conference:

1. Chaired the technical session on CHEMCON 2014 held from 27th Dec'12 to 30th Dec'12 at Punjab University, Chandigarh.
2. Chaired the technical session on International Conference on "Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development" (ASET 2015) held at JNU New Delhi on 14th and 15th February 2015.

PROFESSIONAL MEMBERSHIPS :

1. Chairman of IChE Kanpur Regional Centre.
2. Executive Member of Institution of Engineers (India) U.P. State Centre.
3. Life Member of Oil Technologists Association of India (OTAI).
4. Life Member of International Disordered – Systems Associates Society (INDIAS).
5. Life Member of Indian Membrane Society (IMS).
6. Life Member of System Society of India (SYSI).
7. Member of Indian Society of Technical Education (ISTE).