

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



AWARDS/HONOUR :

- (i) Gold Medal in M.E. from Department of Chemical Engineering, University of Roorkee, Roorkee.
- (ii) Khosla Award (Silver Medal) from University of Roorkee, Roorkee.
- (iii) Best Paper Award for paper published in “International Journal of Chemical & Petrochemical Technology”2016.
- (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. Bishma Narain Singh (Ex. Governor Tamilnadu & Assam) at New Delhi on 1st October 2016 under aegis of IIFS.
- (vi) Glory of India Award for individual excellence and outstanding contribution for the progress of the nation & worldwide, by H.E. Korn Dabbaransi (Former Dy. Prime Minister of Thailand) at Bangkok, Thailand on 4th October 2016.
- (vii) Best Paper Award for paper published in “International Journal of Chemical & Petrochemical Technology in year 2017.
- (viii) Distinguished Leadership Award in Engineering 2018 by Venus International Foundation, Chennai.
- (ix) Bharat Jyoti Puraskar 2018 by International Publishing House, New Delhi
- (x) 2018 Albert Nelson Marquis Lifetime Achievement Award for hard work and dedication to the profession.
- (xi) Biography accepted into Marquis Who's Who, which is comprised of the top 3% of the professionals in the world for 2018.
- (xii) First prize in International Conference of OTAI on “Value Addition in oilseeds, oil and derivatives through Innovative Techniques” held on 22 -23 Dec’18 at IIT BHU.
- (xiii) Best paper award for paper published in “International Journal of Chemical & Petrochemical Technology in year 2018.
- (xiv) Bharat Vikas Award 2018 for the Loyalty, Diligence and Outstanding performance in the field of Environmental Control, Bhubaneswar.

- (xv) Innovative Scientific Research and Dedicated Professor Awards by Innovative Scientific Research Professional, Malaysia.
- (xvi) Biography accepted into Marquis Who's Who, which is comprised of the top 3% of the professionals in the world for 2019.
- (xvii) Biography accepted into Marquis Who's Who, which is comprised of the top 3% of the professionals in the world for 2020.
- (xviii) Bharat Jyoti Puraskar 2020 by Global India Friendship Society, New Delhi.
- (xix) Biography accepted into Marquis Who's Who, which is comprised of the top 3% of the professionals in the world for 2021.
- (xx) Best Paper Award in IChE Conference (CHEMCON 2020) held from 27th Dec'20 to 29th Dec'20 at IChE, Kolkata.
- (xxi) Research Excellence Award 2020 for the outstanding research work by Institute of Scholars (InSc).
- (xxii) Best Professor of the Year Award by Global School Awards 2020.
- (xxiii) "Rashtra Sewak Sammaan" for outstanding contribution in education by Bharat Uthaa Nyaas, Kanpur on 31th Jan'21.
- (xxiv) Best Paper Award in International Conference on Emerging Trends in Science, Engineering and Management-2021 (ICETSEM-2021) held from 15th to 16th July'21 at GM Institute of Technology, Davangere, Karnataka.
- (xxv) Best Paper Award (Third prize) at SCHEMCON 2021 held on 22nd to 23rd Oct'21 at MANIT Bhopal.

SPECIALIZATION :

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

EXPERIENCE (ACADEMIC AND INDUSTRIAL) :

27 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)
- (iii) DIC sponsored project entitled "Microwave extraction of Essential Oils" grant was Rs. 10 Lakhs for two years upto 31st March 2019 as Co PI.

- (iv) CRS project sanctioned under Collaborative Research Scheme (AICTE/TEQIP) entitled “Design and Development of minaturized low cost sensor device for metal ions” grant was Rs. 10 Lakhs for two years upto March 2021.

RESEARCH GUIDED :

- (a) Research project guiding for Ph.D.
Guiding three research scholars.
- (b) Research project guided for M. Tech.
Guided twenty eight M.Tech students and one is 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.
3. Workshop on “MATLAB for Students” from 14th to 15th Oct‘16 in Chemical Engg. Department, HBTU, Kanpur.
4. Workshop on “Energy Audit and Energy Conservation for Academic Institutions” from 7th March‘17 to 9th March‘17 in Landmark Hotel, Kanpur by HBTU Kanpur in association with ESCI, Hyderabad.
5. Workshop on “CHEMCAD” on 21st March17 in HBTU, Kanpur.
6. Workshop on "HPLC" from 27 to 28 March'17 by HBTU Kanpur in Landmark Hotel, Kanpur.
7. Workshop on “Application of MATLAB” for B. Tech students from 22nd to 23rd May‘18 in Chemical Engg. Department, HBTU, Kanpur.
8. FDP on "Recent Advances Chemical Engineering" from 23rd July‘18 to 27th July‘18 (one week) by Department of Chemical Engg., HBTU. under TEQIP-III.
9. FDP on "Methods and Techniques for Enhanced Teaching and Learning in Technical Education" from 15th October‘18 to 20th October‘18 (one week) by Department of Chemical Engg., HBTU. under TEQIP-III.
10. FDP on “Material Synthesis and Advance Characterization Techniques” form 1st to 4th Dec‘18 by Department of Chemistry, as a member of organizing committee.
11. FDP on “ Modern Innovations in Chemical Engineering and Technology (MICET 2021) from 9th Aug‘21 to 13th Aug‘21 (one week) organized by Chemical Engg & Food Tech. Dept.

12. FDP on “Optimization Techniques in Engineering” from 4th Oct’21 to 8th Oct’21 (one week) by Department of Mechanical Engineering.

LECTURE DELIVERED:

1. Keynote Speaker in workshop on “Application of Polymers in Civil Construction”, by IET State Centre Lucknow on 9th Aug’03.
2. Delivered a Lecture in workshop on “Modeling & Simulation of Chemical Process” from 24th Feb’09 to 28th Feb’09 (one week) at Chemical Engg. Dept., HBTI, Kanpur.
3. Delivered a Lecture in STTP on “Optimization Techniques for Engineers” from 23rd Mar’09 to 28th Mar’09 (one week) at Chemical Engg. Dept., HBTI, Kanpur.
4. Delivered a Lecture in workshop on “Chemical Engineering Curriculum Review” from 11th to 12th June’15 at HBTI, Kanpur.
5. Delivered a Lecture in workshop on “Vigyan aur Abhiyantriki ka Swaach Bharat Abhiyan mai Yogdan” on 12th Dec’17 at DMSRDE, Kanpur.
6. Delivered a Lecture in FDP on “Recent Advances in Chemical Engineering” from 23rd to 27th July’18 (One Week) held at HBTU, Kanpur.
7. Delivered a Lecture in FDP on “Mathematical Modeling & Research Methodology” from 8th to 12th Oct’18 (One Week) held at HBTU, Kanpur.
8. Delivered a Lecture in FDP on “Control and Machine Intelligence” from 16th to 28th Sept’18 (Two Week) held at HBTU, Kanpur.
9. Delivered a lecture in FDP on “Next Generation of Chemical Manufacturing & Waste Management” held at IET Lucknow from 29th July to 2nd Aug’20.
10. Delivered **TWO** Lectures in FDP on “Intelligent Control and its Application” from 16th Aug’21 to 20th Aug’21 (one week) at HBTU, Kanpur.
11. Delivered **THREE** Lectures in FDP on “Optimization Techniques in Engineering” from 4th Oct’21 to 8th Oct’21 (one week) at HBTU, Kanpur.

ADMINISTRATIVE ASSIGNMENTS:

1. Head, Department of Chemical Engineering, HBTI, Kanpur from 23rd Aug’16 to 30th Aug’16.
2. Head, Department of Chemical Engineering, HBTU, Kanpur from 1st Sep’16 till Feb’18.
3. Chief Proctor of the H.B.T.I. from 2015 to Aug’16.
4. Chief Proctor of the H.B.T.U. from Sept’16 till July’17.
5. Officer Incharge Guest House from April’10 to Dec’11
6. Warden G.V. Hostel of the H.B.T.I. from 1999 to 2001, 2005 to 2007 and 2013 to 2015.
7. Warden LV Old Hostel of the H.B.T.I. from 2015 to 2016.

8. Coordinator H.B.T.I.- U.P.T.U for UG and PG courses till 2008.
9. Member flying squad for U.P.T.U., Lko exams for four years.
10. Leader flying squad for U.P.T.U., Lko for two years.
11. Deputy Controller of Examination for HBTI, Kanpur.
12. Deputy Coordinator of Time Table Committee of H.B.T.I..
13. Incharge Time Table of Chemical Engineering Department.
14. UG & PG Co-Coordinator for Chemical Engineering Department

PUBLICATIONS:

International

1. S.K. Gupta & S.N. Sinha, "Effect of axial Diffusion and Fiber Deformation on the Performance of the Purge Gas Permeator", *Ind. Engg. Chem. (Res)*, 35,11, 1996, 4375. (ISSN: 0888- 5885) **(SCI) (IF: 3.573) <https://doi.org/10.1021/ie9504260>**
2. 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). **(SCI) (IF: 0.968) <https://doi.org/10.2298/PAC1304189J>**
3. 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).
4. 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).
5. 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).
6. S. K. Gupta & Neeta Singh "Removal of Arsenic from Synthetic Waste Water using Adsorption Process", *International Journal of Chemical & Petrochemical Technology (IJCP)*, ISSN (online): 2319-4464, ISSN (print): 2277-4807, Vol-6, Issue-1, pp.7-12, Feb2016.
7. 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. **[DOI: 10.15680/IJIRSET.2016.0502146](https://doi.org/10.15680/IJIRSET.2016.0502146)**
8. 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.
9. 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.

10. 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. **DOI: 10.15680/IJIRSET.2016.050146**
11. S. K. Gupta & Aparna Bhawnani " Removal of Cr(VI) from Waste Water using Root of Eucalyptus Tree", International Journal of Engineering Technology Science and Research (IJETSR), ISSN: 2394-3386, Vol-3, Issue-11, pp-37-42, Nov.2016.
12. S. K. Gupta & Aparna Bhawnani " Removal of Cr(VI) from Waste Water using Root of Neem Tree", International Journal of Chemical & Petrochemical Technology (IJCPT), ISSN(online): 2319-4464; ISSN(print): 2277-4807; Vol - 7, Issue - 2; APR2017.
13. S. K. Gupta & Kalyani Agrawal "An Improved Microwave Extraction method for Distillation of Essential Oil from Piper Betle L", International Journal for Reserarch in Applied Science & Engineering Technology (IJRASET), ISSN- 2321-9653, Vol-6, Issue-1 Jan. 2018. **DOI: 10.22214/ijraset.2018.1001**
14. S. K. Gupta & Ghazi Mohd. Sawood, "Arsenic Remediation of the Waste Water using Adsorbents: A Review", International Journal of Engineering Technology Science and Research (IJETSR), ISSN-2394-3386, Vol-5, Issue-1, Jan. 2018.
15. S. K. Gupta, Divya Gupta & Kalpana Katiyar, "Comparative Study of Aroma Chemicals from Mentha piperita via: Microwave assisted Hydro Distillation, Solvent free Microwave Extraction and Hydro Distillation Processes", International Journal of Applied Engineering Research and Development (IJAERD), ISSN-2250-1584, Vol-8, Issue-1, Feb. 2018.
16. S. K. Gupta & Akriti Rastogi, "Defluoridation study of Ground Water using Adsorbent prepared from Mango Bark", International Journal of Chemical & Petrochemical Technology (IJCPT), ISSN-2277-4807, Vol-8, Issue-1, Feb. 2018.
17. S. K. Gupta, Kalpana & Swati Yadav, " Effect of different Parameter on yield of Frankincense Oil using steam distillation and GC-MS Analysis", Journal of Emerging Technologies and Innovative Research, Vol-5, Issue-6, June 2018, ISSN: 2349-5162. **<https://www.jetir.org/view?paper=JETIRC006013>**
18. S. K. Gupta & Swati Yadav, "A Systematic Review on Frankincense (Boswellia Species)", International Journal of Innovative Research in Technology (IJIRT), ISSN- 2349-6002, Vol-5, Issue-5, October 2018, pp 212-224.
19. S. K. Gupta & Rajat Sonkar, "Star Anise Essential Oil Extraction by Hydro distillation Techniques", International Journal of Research in Applied Science and Engineering Technology, Vol-7, Issue-9, Sept 2019, ISSN: 2321-9653. **DOI : 10.22214/ijraset.2019.9170**
20. S. K. Gupta & Princy Sahaniya, "Aluminium Impregnated Orange Peel Activated Charcoal used for Fluoride Remediation from Synthetic Fluoride Solution", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue X, Oct 2019, ISSN: 2321-9653. **<http://doi.org/10.22214/ijraset.2019.10014>**
21. S.K. Gupta & Ghazi Mohd. Sawood, "Kinetic equilibrium and thermodynamic analyses of As (V) removal from aqueous solution using iron-impregnated Azadirachta indica carbon", Applied Water Science (2020), Volume 10, issue-5, May 2020, (SCI) (IF: 4.393) **DOI:10.1007/s13201-020-01217-z**

22. S. K. Gupta & Saumya Sharma, "Comparison of Microwave Assisted Hydro Distillation with Steam Distillation for the Extraction of Rosmary Essential Oil", International Research Journal of Engineering and Technology (IRJET), ISSN-2395-0056, Volume-07, Issue-07, July 2020, pp 166-171.
23. S. K. Gupta & Princy Sahaniya, "Fluoride Removal from Ground Water using Aluminium Impregnated Agro Waste", International Journal of Engineering and Techniques (IJET), ISSN-2395-1303, Vol-6, Issue-4, July-2020.
24. S. K. Gupta, Neeta Singh & P.K.S. Yadav, "Strategies and Characterization methods in the Preparation of Polymeric Surfactants for various Applications", Rasayan J. Chem., ISSN:0974-1496, Vol-13, No. 3, July- Sept 2020. PP. 1644-1652. (SCOPUS)
DOI:10.31788/RJC.2020.1335387
25. S. K. Gupta & Ghazi Mohd. Sawood, "Arsenate adsorption from aqueous solution using iron-loaded Azadirachta indica roots: batch and fixed-bed column study", Desalination and Water Treatment (DWT), pp 292-308, 203, 2020, 26233. ISSN: 1944-3994, (SCI) (IF: 1.234) **DOI: 10.5004/dwt.2020.26233**
26. S. K. Gupta, Subhi Rizvi & Lalit Goswami, "A holistic approach for melanoidin removal via Fe-impregnated activated carbon prepared from Mangifera indica leaves biomass", Bioresource Technology Reports, 12,2020, 100591. (ISSN: 2589-014X) (Scopus) (IF: 4.41)
https://doi.org/10.1016/j.biteb.2020.100591
27. S. K. Gupta, Ghazi Mohd. Sawood & Ashutosh. Mishra, "Optimization of Arsenate Adsorption over Aluminum-Impregnated Tea Waste Biochar Using RSM–Central Composite Design and Adsorption Mechanism", J. Of Hazard, Toxic Radioactive Waste, 2021,25(2), 04020075. (SCI) (IF: 1.48)
https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000581
28. S. K. Gupta, Neeta Singh & Praveen Yadav, " Synthesis and Performance Evaluation of Green Anionic Polymeric Surfactant for Detergent Application", Asian JI of Chemistry, Vol. 33, No. 2 (2021), 333-337, ISSN; 9707077, (SCOPUS)
https://doi.org/10.14233/ajchem.2021.22999
29. S. K. Gupta, Shobhit Dixit, Gaurav Mishra & Ghazi Mohd. Sawood, "Selective As(V) capture by novel magnetic green Fe-Biochar composite in packed column: an application of central composite design", *Environ. Sci.: Water Res. Technol.*, 2021 (SCI) (IF: 4.251) **DOI: 10.1039/D1EW00385B**
30. S. K. Gupta & J. N. Srivastava, "Influence of Siloxanes Viscosity and Concentration on Low Temperature Impact Modification and Melt Flow Behaviour of Polycarbonate", Journal of Applied Polymer Science, 2021 (SCI) (IF: 3.125) **DOI: 10.1002/app.51876**
31. S. K. Gupta, Neeta Singh & Yadav, P. "RSM-Based Optimization Approach in Production of Anionic Methyl Ester Sulfonate for Commercial Detergent Application", Journal of The Institution of Engineers (India): Series E. 2021, **DOI: 10.1007/s40034-021-00234-0**.
32. S. K. Gupta, Subhi Rizvi & Anju Singh, "A Parametric study using Bx-Behnken design for melanoidin removal via Cu-impregnated activated carbon prepared from waste leaves", Applied Water Science (2022), March 2022, (SCI) (IF: 4.393)
DOI:10.1007/s13201-022-01620-8

33. Rizvi, Subhi & Singh, Anju & Kushwaha, Anamika & Gupta, S. (2022). Recent advances in melanoidin removal from wastewater: Sources, properties, toxicity, and remediation strategies. **DOI:10.1016/B978-0-323-85403-0.00015-3**. (Book Chapter)
34. S. K. Gupta & J. N. Srivastava, “Enhancement of low-temperature impact toughness of polycarbonate by hydroxyl terminated siloxanes and its concomitant effects on other properties”, Bulgarian Chemical Communications, (Accepted March2022) (SCI)
35. S. K. Gupta & Aviral Gupta, “Catalyst Regeneration techniques in Naphtha Reforming: A Short Review”, Chemical and Process Engineering, (Accepted April 2022) (SCI) (IF: 0.485) ISSN 0208-6425

National

1. S.K. Gupta, S.N. Sinha & A.K. Agrawal, “Modelling and simulation of Membrane Separation System for Purge Gas”, Indian J. Chem. Tech., Vol. 1,1994,135. (ISSN: 0971 – 457X) (SCI) (IF: 0.57) <http://nopr.niscair.res.in/handle/123456789/31189>
2. 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.
3. S. K. Gupta & Divya Gupta. “Comparative study of Solvent Free Microwave Extraction and Hydrodistillation for the Extraction of Essential Oil from Menthapiperita”, Journal of Agroecology and Natural Resource Management (JANRM) Vol-6, Issue-1, pp 1-5, 2019, ISSN: 2394-0786.
4. S. K. Gupta, Neeta Singh & Praveen Yadav, “ RSM-Based Optimization Approach in production of Anionic Methyl Ester Sulfonate for Commercial Detergent Application”, JI of The Institution of Engineers (India) Series E, Nov. 2021. (SCOPUS) <https://doi.org/10.1007/s40034-021-00234-0>

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.
- (v) Journal of The Institution of Engineers (India): Series E (IEIE).
- (vi) International Journal of Basic and Applied Sciences.

MEMBER EDITORIAL BOARD:

- (i) International Journal of Chemical & Petrochemical Technology.
- (ii) Hon. Editorial Board Member – Consulting Editor of Innovative Scientific Research Professional, Kuala Lumpur, Malaysia.

CHAPTER IN BOOKS:

- (i) S. K. Gupta “Removal of Phenol from Waste Water using Hydrogen Peroxide”, Energy Research and Environmental Management: An Innovative Approach, Krishi Sanskriti Publications, Feb 2015.

- (ii) 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.
- (iii) S. K. Gupta & Subhi Rizvi "Recent advances in melanoidin removal from wastewater: Sources, properties, toxicity, and remediation strategies", Emerging Trends to approaching Zero Waste, Elsevier Publication, pp 361 to 380, Dec 2021.

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. Rahul Dwivedi & S. K. Gupta "Mathematical Modeling of Decomposition of CAP using AOP", IChE Conference(CHEMCON 2012) held from 28th Dec'12 to 30th Dec'12 at NIT Jalandhar.
7. Shivendu, Swati & S. K. Gupta "Removal of Dyes by Adsorption Process using Activated Charcoal" IChE Conference (CHEMCON 2014) held from 27th Dec'14 to 30th Dec'14 at Panjab University, Chandigarh.
8. 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-2015) held at JNU New Delhi on 17th and 18th January 2015.
9. 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.
10. 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.

11. S. K. Gupta & Aparna Bhawnani " Removal of Cr(VI) from Waste Water using Root of Eucalyptus Tree", International Conference on Innovative Research in Engineering Science and Management (ICIRESM-16) held at New Delhi on 13th Nov.2016.
12. Latika Dixit and S. K. Gupta, "Adsorption studies on Removal of Chromium (VI) from Aqueous Solution by using Solid Waste (Leaf Litter)", IChE Conference (CHEMCON 2016) held from 27th Dec'16 to 30th Dec'16 at Annamalai Univ. Chennai.
13. Aparna Bhawnani and S. K. Gupta, "Study of Kinetics to understand removal of Cr(VI) from Waste Water using root of Neem and Eucalyptus Tree", IChE Conference (CHEMCON 2016) held from 27th Dec'16 to 30th Dec'16 at Annamalai Univ. Chennai.
14. S. K Gupta & Kalyani Agarwal," Study of Essential Oil Extracted from Piper Betel using Microwave Assisted Hydor-Distillation Method", IChE Conference (CHEMCON 2017) held from 27th Dec'17 to 30th Dec'17 at Haldia Institute of Technology, Haldia, West Bengal.
15. S. K. Gupta, Divya Gupta & Kalpana Katiyar, "Parametric Study for the Extraction of Essential Oil from Menthapiperita using Microwave Assisted hydrodistillation", IChE Conference (CHEMCON 2017) held from 27th Dec'17 to 30th Dec'17 at Haldia Institute of Technology, Haldia, West Bengal.
16. S. K. Gupta & Ghazi Mohd. Sawood, " Arsenic Remediation of the Waste Water using Adsorbents: A Review", 2nd International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2018) held on 28th Jan'18 at Osmania University, Hyderabad, Telengana.
17. S. K. Gupta & Swati Yadav, "Effect of different parameter on yield and composition of volatiles of Frankincense using Microwave Assisted hydrodistillation", IChE Conference (CHEMCON 2018) held from 27th Dec'18 to 30th Dec'18 at NIT Jalandhar, Punjab.
18. S. K. Gupta & Divya Gupta. "Comparative study of Solvent Free Microwave Extraction and Hydrodistillation for the Extraction of Essential Oil from Menthapiperita", International Conference on "Innovative Research in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for Sustainable Development" (APMSCET-2019) held at JNU New Delhi on 2nd March 2019.
19. S. K. Gupta & Rashmi Rupam "Utilization of Rice Husk Ash : Waste to Value" International Conference on "Energy and Environmental Technologies for Sustainable Development" (CHEM-CONFLUX20) held at MNNIT Allahabad from 14 to 16th Feb2020.
20. S. K. Gupta , Saumya Sharma & S. K. Pandey "Studies on Molecularly Imprinted Polymer based Electrochemical Sensors for detection of Chemical Pollutants" International Conference on "Energy and Environmental Technologies for Sustainable Development" (CHEM-CONFLUX20) held at MNNIT Allahabad from 14 to 16th Feb2020.
21. S. K. Gupta & Rashmi Rupam "An Environmentally & Economically Viable adsorbent for removal of Dyes from Rice hush and their Ash" International Conference on "Advances in Chemical Science and Petrochemical Engineering (ACAPE-2020) held at AMU Aligarh from 22 to 24th Feb2020.

22. S. K. Gupta , Saumya Sharma & S. K. Pandey “Polymer based Electrochemical Nanosensors for HMI Detection”, International Conference on “Advances in Chemical Science and Petrochemical Engineering (ACAPE-2020) held at AMU Aligarh from 22 to 24th Feb2020.
23. S. K. Gupta & Saumya Sharma, “Microwave assisted Hydro Distillation for the Extraction of Essential Oils from Medicinal and Aromatic Plants”, International Virtual Conference on Recent Trends & Innovation in Science, Engineering and Social Sciences (IVCRTISES 2020) held at Virudhunagar from 4th to 6th Sep’2020.
24. S. K. Gupta & Ghazi Mohd. Sawood, “Enhanced Arsenate removal using Iron Oxide Impregnated Cocos Nucifera (coconut husk) Nanoparticles from Aqueous Solution”, IChE Conference (CHEMCON 2020) held from 27th Dec’20 to 29th Dec’20 at IChE, Kolkata.
25. S. K. Gupta & Vandita Trivedi, “Comparative study on Extraction Techniques of Essential Oil of Natural Plant Herbs”, IChE Conference (CHEMCON 2020) held from 27th Dec’20 to 29th Dec’20 at IChE, Kolkata.
26. S. K. Gupta & J. N. Srivastava, “Impact Modification of Polycarbonate by Siloxanes for Low Temperature Application with Simultaneously Maintaining its Meet Processing Properties”, IChE Conference (CHEMCON 2020) held from 27th Dec’20 to 29th Dec’20 at IChE, Kolkata.
27. S. K. Gupta, Aviral Gupta, Aayush Gupta & Vaibhav Gupta, “Solar aided Drying of various Natural Products”, IChE Conference (CHEMCON 2020) held from 27th Dec’20 to 29th Dec’20 at IChE, Kolkata.
28. S. K. Gupta & Alok Verma, “Development of Hydrophobic Cement Preparation using Oleic Acid”, International Conference on Emerging Trends in Science, Engineering and Management-2021 (ICETSEM-2021) held from 15th to 16th July’21at GM Institute of Technology, Davangere, Karnataka.
29. S. K. Gupta & Alok Verma, “Development of Hydrophobic nature in cement using Stearic Acid and Oleic Acid”, International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2021) held from 20th to 22nd Aug’21 at NIT Jalandhar.
30. S. K. Gupta & Aviral Gupta, “Catalyst Regeneration Techniques in Naphtha Reforming: A Review”, International Chemical Engineering Conference 2021 (ICHEEC 2021) held from 16th to 19th Sept’21 at NIT Jalandhar.
31. S. K Gupta, Aviral Gupta, Anushree Trivedi & Vaibhav Gupta, “Study of Plasma Surface Hardening Techniques”, International Chemical Engineering Congress 2021(CHEMCON-2021) held from 26th to 30th Dec’21 at IMMT Bhubaneswar.
32. S. K. Gupta, Ashna Singh, Jatin Singh & Aviral Gupta, “A Study on Bio-fuel generation from Microalgae Species”, International Chemical Engineering Congress 2021 (CHEMCON-2021) held from 26th to 30th Dec’21 at IMMT Bhubaneswar.

International Visit

1. Visited Malaysia in Aug'03 and presented a paper on “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.

National

1. Paper "Solid Wastes; A Potential Energy Source", presented in IIChe National Conference in 2000.
2. Paper "Photocatalytic Destruction of Organic Compounds from Wastewater", presented in IIChe National Conference in 2001.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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 Annalmai University, Tamilnadu.
10. 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.
11. 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.
12. Devaki Nandan & S. K. Gupta, "Removal of Chromium from Industrial Waste Water", National 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.
13. 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.

14. G. M. Sawood, Kavita Srivastava, A.K. Rathore, S. K. Gupta and Deepak Srivastava "Phenol-cardanol-firmaldehyde based epoxisized novolac tyoe resin: A study on cure characteristics" National Conference on "Advances in Chemistry for Sustainable Developmnet (ACSD2017) held from 22nd to 23rd March 2017 at HBTU, Kanpur.
15. Surbhi Dahiya, Kavita Srivastava, A.K. Rathore, S. K. Gupta and Deepak Srivastava "A study on copolymerization of MMA and styrene in presence of Fullerene using ylide as initiator" National Conference on "Advances in Chemistry for Sustainable Development (ACSD2017) held from 22nd to 23rd March 2017 at HBTU, Kanpur.
16. S. K. Gupta, C. P Tiwari, S. K. Pandey & Yasharth Srivastava, "Ancient Indian Architecture Design and Construction Technology", National Seminar on "Ancient Indian Science and Technology" held on 2nd Nov'18 at IIT Kanpur.
17. S. K. Gupta & Swati Yadav, "Extraction of Essential oil of Frankincense (*Boswellia Serrata*) using Microwave-Assisted Hydro distillation", 33rd Indian Engineering Congress held from 21 to 23rd Dec'18 at Udaipur, Rajasthan.
18. S. K. Gupta, Amrisha Srivastava, Anshika Pipal, Saurav Kumar & Aniket Sagar, "Various Aspects of Production of Ethylene Glycol", SCHEMCON 2020 held from 9th to 10th Oct'20 at IChE Kolkata.
19. S. K. Gupta, Astha Kapoor, Divya Agarwal, Prateek Yadav & Rishabh Pandey, "Transition and Advancement of Sulphuric Acid Production", SCHEMCON 2020 held on 9th to 10th Oct'20 at IChE Kolkata.
20. S. K. Gupta & Saumya Sharma, "Rosemary Essential Oil extraction and its components from Microwave Hydro distillation method", SCHEMCON 2020 held on 9th to 10th Oct'20 at IChE Kolkata.
21. S. K. Gupta & Ghazi Mohd. Sawood, "Sustainable arsenate and bacterial contamination remediation from aqueous solution using Cu oxide nanoparticles and mechanism associated with the removal process", National Conference on "Sustainable Research in Energy & Environment 2021 (SREE 2021)" held on 15th to 16th Jan'21 at NIT Jalandhar.
22. S. K. Gupta & Vandita Trivedi, "Essential Oil Extraction Techniques: Study and Comparison", National Conference on "Innovative Development in Chemical Technology 2021 (IDCT-2021)" held on 19th to 20th March'21 at University School of Chemical Technology, GGSIPU, New Delhi.
23. S. K. Gupta, Shreya Singh, Himani Agarwal, Vivek Jatin Singh & Aayush Gupta, "Inedible Plant: A Good Source of Environment Friendly Fuel", SCHEMCON 2021 held on 22nd to 23rd Oct'21 at MANIT Bhopal.
24. S. K. Gupta, Pragya Agnihotri, Aviral Gupta, Yash Gupta & Rishabh Gupta, "Recent Advancements in Waste Management of Ethylene-Vinyl Acetate (EVA)", SCHEMCON 2021 held on 22nd to 23rd Oct'21 at MANIT Bhopal.

25. S. K. Gupta, Anushree Trivedi, Sambhav Garg & Mayank Khanna. "Alternatives of Single Use Plastics", SCHEMCON 2021 held on 22nd to 23rd Oct'21 at MANIT Bhopal.

Session Chaired in Conference:

1. Chaired the technical session in National Conference on "Environmental Management Systems in Chemical & Allied Industries" held from 4th Oct'02 to 5th Oct'02 at HBTI, Kanpur.
2. Chaired the technical session in National Conference INTERFACE 2003 held in November 2003 at HBTU, Kanpur.
3. Chaired the technical session on IChE Conference CHEMCON 2003 held from 19th Dec'03 to 22nd Dec'03 at IChE Bhubaneswar.
4. Chaired the technical session in IChE Conference CHEMCON 2011 held from 27th Dec'11 to 30th Dec'11 at M.S. Ramaiya Institute, Bangalore.
5. Chaired the technical session in IChE Conference CHEMCON 2014 held from 27th Dec'14 to 30th Dec'14 at Punjab University, Chandigarh.
6. Chaired the technical session on International Conference in "Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development" (ASET 2015) held at JNU New Delhi on 14th and 15th February 2015.
7. Judged the technical event "TECHMART 2015" held on 19 & 20th Nov2015 at IET, CSJMU, Kanpur.
8. Chaired the technical session (Oral Presentation) in IChE Conference CHEMCON 2017 held from 27th Dec'17 to 30th Dec'17 at Haldia Institute of Technology, Haldia, West Bengal.
9. Chaired the technical session (Poster Presentation) in IChE Conference CHEMCON 2017 held from 27th Dec'17 to 30th Dec'17 at Haldia Institute of Technology, Haldia, West Bengal.
10. Chaired the technical session (Paper Presentation) in IChE Conference CHEMCON 2018 held from 27th Dec'18 to 30th Dec'18 at NIT Jalandhar, Punjab.
11. Chaired the technical session (Paper Presentation) in IChE Conference CHEMCON 2019 held from 15th Dec'19 to 19th Dec'19 at IIT Delhi, New Delhi.
12. Chaired the technical session (Paper Presentation) in International Conference on "Energy and Environmental Technologies for Sustainable Development" (Chem-Conflux20) held from 14th Feb 2020 to 16th Feb 2020 at MMNIT Allahabad, Prayagraj.
13. Chaired the technical session (Paper Presentation) in International Conference ACAPE-2020 held from 22nd Feb'20 to 24th Feb'20 at AMU, Aligarh.
14. Chaired the technical session (Paper Presentation) in National Conference SCHEMCON 2020 held from 9th Oct to 10th Oct'2020 at IChE, Kolkata.

15. Chaired the technical session (Paper Presentation) in International Conference CHEMCON 2020 held from 27th Dec to 29th Dec'2020 at IChE, Kolkata in association with IChE Hyderabad.
16. Chaired the technical session (Paper Presentation) in National Conference SREE 2021 held on 15th Jan to 16th Jan'2021 at NIT Jalandhar.
17. Chaired the technical session (Paper Presentation) in National Conference IDCT 2021 held on 19th March to 20th March'21 at GGSIPU, New Delhi.
18. Chaired the technical session (Paper Presentation) in International Conference ICHEEC-2021 held from 16th to 19th Sept'21 at NIT Jalandhar.
19. Chaired the technical session (Paper Presentation) in International Conference ACMS-2022 held from 14th to 16th April'22 at IChE Kolkata.
20. Chaired the technical session (Paper Presentation) in International Conference Chem-Conflux22 held from 14th to 16th April'21 at MMNIT Allahabad, Prayagraj..

PROFESSIONAL MEMBERSHIPS :

1. National Executive Council Member, IChE Kolkata.
2. Former Chairman of IChE Kanpur Regional Centre.
3. Fellow of Institution of Engineers (India). (FIE)
4. Fellow of Innovative Scientific Research Professional Malaysia. (FSIESRP)
5. Executive Member of Institution of Engineers (India) U.P. State Centre.
6. Chartered Engineer of Institution of Engineers (India).
7. Life Member of Indian Institute of Chemical Engineers, (MIChE)
8. Life Member of Oil Technologists Association of India (MOTAI).
9. Life Member of International Disordered – Systems Associates Society (MINDIAS).
10. Life Member of Indian Membrane Society (MIMS).
11. Life Member of System Society of India (MSYSI).
12. Life Member of Indian Society of Technical Education (MISTE).
13. Life Member of Indian Desalination Association (MInDA).
14. Life Member of Solar Energy Society of India. (MSESI).
15. Life Member of Indian Science Congress Association (MISCA).

SOCIAL BODY MEMBERSHIPS :

1. Life Member of ISKCON.
2. Life Member of VIBHA (Vigyan Bharti).