

Profile Page



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Research Interests :

- Hydro-Carbon Engineering
- New and Renewable Energy
- Waste Water Treatment
- Oil and Gas Field Development
- Hydraulic Fracturing
- Re-Refining of Used Lubricating Oil
- Oil Spill
- Antiwear Additives
- Development of Catalyst for Petroleum and Biofuel
- Kinetics of Bacterial Adherence on Textile Fabrics
- Biological Treatment of Tannery Wastewater

Other Profile Links :

Google Scholar Link :

M. K. Jha [Click Here](#)

Personal Web Link :

Vidhwan ID [Click Here](#)

Orcid [Click Here](#)

Researcher ID [Click Here](#)

Scopus ID [Click Here](#)

Google Scholar [Click Here](#)

Journal Publications :

Year	Journal	Publication
2022	Journal of Environmental Management 114516 volume 306	Vijay Sodhi, Ajay Bansal and Mithilesh Kumar Jha “Effect of Extracellular Polymeric Compositions on in – situ sludge minimization performance of upgraded activated sludge treatment for Industrial Waste water”
2022	Journal of Bio Energy Research	Ravneet Kaur, Poonam gera, Mithilesh Kumar Jha, Thallada Bhaskar “Hydrothermal Treatment of Pretreated Castor Residue for the Production of Bio-oil”
2022	Journal of ACS Omega	Nandi Rajib, Mithilesh, Guchhait Sujit Kumar, Sutradhar Debanjab, Yadav Shashikant “Impact of KOH Activation on Rice Husk derived Porous Activated Carbon for Carbon Capture at Flue Gas alike Temperatures with High Co ₂ /N ₂ Selctivity”
2021	Scientific Reports	J. Kaur, A.K. Sarma, M.K. Jha, P. Gera. “Process Optimization with Acid Functionalised Activated Carbon derived from Corncob for Production of 4-Hydroxymethyl-2,2-Dimethyl-1,3-Dioxolane and 5-Hydroxy-2,2-Dimethyl-1,3-Dioxane”
2021	Bioresource Technology Volume 341	158. Vijay Sodhi, Charanjit Singh, Puneet Pal Singh Cheema, Reena Sharma, Ajay Bansal, Mithilesh Kumar Jha “Simultaneous sludge minimization, Pollutant and Nitrogen removal using integrated MBBR configuration for Tannery Wastewater Treatment”
2021	Journal of water environmental and pollution ICACBEE	Navneet Sood, M K Jha and Shailendra Bajpai, “EVA and SBS blended foam for sports and yoga mat applications: Synthesis and characterization
2021	SPE Polymers	Navneet Sood, M K Jha and Shailendra Bajpai “Studies on the effect of Low density Polyethylene on Ethylene Vinyl Acetate/Styrene Butadiene Styrene blends for Yoga Mat applications
2021	Asian Textile Journal	Navneet Sood, M K Jha and Shailendra Bajpai “Study the application of Ethylene Vinyl Acetate (EVA)/Styrene Butadiene Styrene SBS foams for yoga mat textile product”
2021	Environmental Technology & Innovation	Vijay Sodhi, Ajay Bansal and Mithilesh Kumar Jha “Investigation of activated sludge characteristics and their influence on simultaneous sludge minimization and nitrogen removal from an advanced biological treatment for tannery wastewater”
2021	Journal of Environmental Management 114516 volume 306	Vijay Sodhi, Ajay Bansal and Mithilesh Kumar Jha “Effect of Extracellular Polymeric Compositions on in – situ sludge minimization performance of upgraded activated sludge treatment for Industrial Waste water”
2020	Industrial Crops and Products	Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T. Hydrothermal Liquefaction of Castor Residue to Bio-oil: Effect of Alkali Catalyst and Optimization Study
2020	Journal of Cleaner Production.	Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha. Minimization of excess bio-sludge and pollution load in oxic-settling-anaerobic modified activated sludge treatment for tannery wastewater.
2020	Journal of Energy and Environmental Sustainability.	Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T. Catalytic Hydrothermal Liquefaction of Castor Residue: Effect on Product Yield and Distribution of Liquid Product.
2020	RSC Advances	J. Kaur, A.K. Sarma, M.K. Jha, P. Gera Rib shaped carbon catalyst derived from Zea mays L. cob for ketalisation of glycer-ol
2020	Biotechnology Reports	J. Kaur, A.K. Sarma, M.K. Jha, P. Gera. “Valorisation of crude glycerol to value-added products: Perspectives of process technology, economics and environmental issues

2020	International Journal of Recent Research in Chemical Sciences (IJRCS)	Navneet Sood, M.K. Jha, and Shailendra Bajpai Synthesis of Ethylene Vinyl Acetate polymer blended foams for various applications: A mini review,
2019	Science of the Total Environment	Products Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T. Optimization of process parameters for hydrothermal conversion of castor residue.
2019	Renewable Energy	Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T. Reaction parameters effect on hydrothermal liquefaction of castor (<i>Ricinus Communis</i>) residue for energy and valuable hydrocarbons recovery.
2019	Indian Chemical Engineer	Bajpai, S., Bajpai, V., Dey, A., Jha, M.K. Study of adherence kinetics of <i>Escherichia coli</i> on cotton knitted fabrics(Accepted for Publication)
2019	Science of the Total Environment”, 686, 641-647.	Ravneet Kaur, Poonam Gera, Mithilesh Kumar Jha, Thallada Bhaskar “Optimization of process parameters for hydrothermal conversion of castor residue.
2018	Bioresource Technology, 263, 613-624	Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha, "Excess sludge disruption and pollutant removal from tannery effluent by upgraded activated sludge system"
2018	Indian Chemical Engineer, 60, 1-13	S. Bajpai, Vidushi Bajpai, Apurba Dey, Subrata Gosh, M K Jha, "Study of adherence kinetics of <i>Escherichia coli</i> on cotton knitted fabrics"
2018	Research Journal of Chemistry and Environment, 1-13	Shailendra Bajpai, Apurba Dey, M. K. Jha, Vidushi Bajpai, R R Marlar, "Removal of Cr (VI) from aqueous streams using chemically modified bark of Blackboard Tree: Optimization through Response Surface Methodology"
2018	Bioresource Technology, 250, 422-428	Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T. , "Pyrolysis kinetics and thermodynamic parameters of castor (<i>Ricinus communis</i>) residue using thermogravimetric analysis"
2018	Journal of Biofuels, 1-11	K. Pal, M.K. Jha, P. Gera & S.K. Tyagi, "Energy and exergy analysis of a natural-draft improved biomass cookstove with varying quantities of different biomass feedstocks"
2018	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 40(19), pp.2317-2326	Kashish Mehta, Mithilesh Kumar Jha, Neetu Divya, "Transesterification of <i>Prunus armeniaca</i> oil using calcium methoxide as catalyst: Identification of methyl esters and proposed mechanistic pathways"
2018	Research on Chemical Intermediates	Kashish Mehta, Mithilesh Kumar Jha, Neetu Divya, "Statistical optimization of biodiesel production from <i>Prunus armeniaca</i> oil over strontium functionalized calcium oxide"
2018	Bioresource technology” 250, 422-428	Kaur R., Gera P., Jha M. K. & Bhaskar, T. “Pyrolysis kinetics and thermodynamic parameters of castor (<i>Ricinus communis</i>) residue using thermogravimetric analysis
2018	Bioresource Technology 263 (613-624)	Vijay Sodhi, Ajay Bansal and Mithilesh Kumar Jha “Excess Sludge Disruption and Pollutant Removal from Tannery Effluent Upgraded Activated Sludge System”
2018	Energy Sources, Part A: Recovery, Utilization and Environmental Effects, doi:10.1080/15567036.2018.1486921,	Kashish Mehta, Mithilesh Kumar Jha and Neetu Divya “Tranesterification of <i>Prunus armeniaca</i> oil using calcium methoxide as a catalyst: Identification of methyl esters and proposed mechanistic pathways”
2018	Research on Chemical Intermediates (Springer)	Kashish Mehta, Mithilesh Kumar Jha and Neetu Divya “Statistical optimization of biodiesel production from <i>Prunus armeniaca</i> oil over strontium functionalized calcium oxide”
2018	Biofuels, 10:1, pp.121-130	K. Pal, M.K. Jha, P. Gera & S.K. Tyagi, “Energy and exergy analysis of a natural-draft improved biomass cookstove with varying quantities of different biomass feedstocks”.
2018	Indian Chemical Engineer, 60, 1-13	S. Bajpai, Vidushi Bajpai, Apurba dey, Subrata Ghosh, M. K. Jha “Study of adherence kinetics of <i>Escherichia coli</i> on cotton knitted fabrics”

2016	Bulletin of Chemical Reaction Engineering & Catalysis, 11(2), 140	P Kumar, AK Sarma, A Bansal, MK Jha, "Formulation of SrO-MBCUS Agglomerates for Esterification and Transesterification of High FFA Vegetable Oil"
2016	Journal of Biofuels, 7, 313-335	K. Pal, M. K. Jha P. Gera, S. K. Tyagi, "Experimental Study on the performance evaluation and emission reduction potential of different cookstove models using standard design parameters and testing protocols"
2016	Journal of Biofuels and Bioenergy, 01 No.2, 135-147	Kaur, Ravneet, Poonam Gera, and Mithilesh Kumar Jha, "Study on Effects of Different Operating Parameters on the Pyrolysis of Biomass: A Review"
2016	Renewable and Sustainable Energy Reviews 59 pp- 818-838,	Praveen Kumar, Vimal Chandra Srivastava and Mithilesh Kumar Jha "Jatropha curcas phytotomy and applications: Development as a potential biofuel plant through biotechnological advancements"
2016	Bulletin of Chemical Reaction Engineering & Catalysis, 11 (2) pp-140-150,	Prashant Kumar, Anil Kumar Sarma, Ajay Bansal, Mithilesh Kumar Jha "Formulation of SrO-MBCUS Agglomerates for Esterification and Transesterification of High FFA Vegetable Oil
2016	Biofuels 7 (4) pp. 313-335	K Pal, M K Jha, P Gera and S K Tyagi "Experimental study on the performance evaluation and emission reduction potential of different cookstove models using standard design parameters and testing protocols"
2016	Indian Chemical Engineer , 58(2);157-171	Jindal M K, Jha M K. "Catalytic Hydrothermal Liquefaction of waste furniture sawdust to bio-oil"
2015	Bulletin of Chemical Reaction Engineering & Catalysis, 10(3), 221-229	P Kumar, AK Sarma, MK Jha, A Bansal, B Srivastava, "Utilization of Renewable and Waste Materials for Biodiesel Production as Catalyst"
2015	Royal Society of Chemistry Advances, 5, 9946-9954	Prashant Kumar, Mohammad Aslam, Neetu Singh, Sunil Mittal, Ajay Bansal, Mithilesh Kumar Jha and Anil Kumar Sarma, "Characterization, activity and process optimization with a biomass-based thermal power plant's fly ash as a potential catalyst for biodiesel production"
2015	Journal of Chemical Engineering and its Innovation, 11, 1-26	N. K. Srivastava, M. K. Jha, T. R. Sreekrishnan, S. Bajpai, "Recombinant microbial bioremediation for the treatment of heavy metals"
2015	Indian Chemical Engineer	*Manoj Jindal and M K Jha "Catalytic Hydrothermal Liquefaction of Waste Furniture Sawdust to Bio-oil"
2015	RSC Advances 5, 9946	*Prashant Kumar, Anil Kumar Sarma, Sunil Mittal, Ajay Bansal and M K Jha "Characterization, activity and process optimization with a biomass-based thermal power plant's fly ash as a potential catalyst for biodiesel production"
2015	Journal of Thermal Analysis and Calorimetry	*Neetu Singh, Himansh, M K Jha and A K Sarma "Complete Heat balance, performance and emission evaluation of a CI engine fuelled with Mesua Ferrea methyl and ethyl ester's blends with petrodiesel"
2015	Journal of Biofuels and Bioenergy, 1(2), 135-147,	Kaur, R., Gera, P., & Jha, M. K. "Study on Effects of Different Operating Parameters on the Pyrolysis of Biomass: A Review.
2015	Journal of Biofuels and Bioenergy 1(1), 21-27.	Kaur J, Konwar L J, Jha M K, Sarma A K "Downstream Processing of crude glycerol into useful products and chemicals"
2014	International Journal of Science Environment and Technology, 32, 395-402	N. K. Srivastava, M. K. Jha, T. R. Sreekrishnan, "Removal of Cr(VI) from wastewater using NiO nanoparticles"
2014	International Journal of Engineering Research, 33, 167-171	N. K. Srivastava, S. S. Parhi, M. K. Jha, T. R. Sreekrishnan, "Optimization of effect of pre-treatment on chromium removal by algal biomass using Response Surface Methodology"
2014	International Journal of Innovative Research in Science, Engineering and Technology, 3 (1),	*Barjinder Bhalla, M.S.Saini, M.K.Jha "Assessment of Treated Leachate of Unlined Municipal Solid Waste Landfill Site using Leachate Pollution Index"

2014	International Journal of Science, Environment and Technology, 3 (2),	*Barjinder Bhalla, M.S.Saini, M.K.Jha “Leachate Contamination Potential of Unlined Municipal Solid Waste Landfill Sites using Leachate Pollution Index”,
2014	International Journal of Research in Engineering and Technology, 3 (3),	*Barjinder Bhalla, M.S.Saini, M.K.Jha “Assessment of Industrial Byproducts as Permeable Reactive Barriers (PRB) for Landfill Leachate Management”,
2014	International Journal of Innovative Research in Science, Engineering and Technology. Vol. 3, Issue 6	*E. Johal, B.S Walia, M.S. Saini and M.K.Jha “Efficiency Assessment and Mathematical Correlations Development between Bod and Other Parameters in Jalandhar Sewage Treatment”.
2014	International Journal of Current Engineering and Technology, Vol.4 No.4 2678-2683	*Barjinder Bhalla, M.S.Saini, M.K.Jha “Assessment of Soil Contamination near Unlined Municipal Solid waste Landfill”
2014	Journal of Engineering Applied Sciences Article no. 7320-JEAS	*K. K. Singh and M.K.Jha “Effect of Particle Size and Concentration of Fly Ash on the Properties of Polypropylene Based Composite Materials”
2014	Artificial Cells, Blood Substitutes, and Biotechnology: An International Journal accepted	*E Johal, M. S. Saini, M.K.Jha and B. S Walia “Silver Nanoparticles Composite Nylon Nanofibers For Hybrid Water Filtration”.
2014	International Journal of Science, Environment and Technology, Vol. 3, No. 2, 395-402,	*N. K. Srivastava, M. K. Jha, T. R. Sreekrishnan, “Removal of Cr(VI) from wastewater using NiO nanoparticles”
2013	International Journal of Research in Engineering and Technology Vol. 2 issue 8 pp 223-232	*Barjinder Bhalla, M.S. Saini, M K Jha “Effect of age and seasonal variations on leachate characteristics of municipal solid waste landfill”
2013	Indian Journal of Chemical Technology Vol. 20 PP 341-345	Shailendra Kumar Singh, Ajay Bansal, M K Jha and Rahul Jain “Production of Biodiesel from Wastewater grown Chlorella minutissima”
2013	International Journal of chemical and environmental Engineering Vol. 04	*Barjinder Bhalla, M.S. Saini, M K Jha “Assessment of groundwater contamination near unlined municipal solid waste landfill site”
2013	International Journal of Chemical and Environmental Engineering, 4(5),	*Barjinder Bhalla, M.S.Saini, M.K.Jha “Assessment of Groundwater Contamination near Unlined Municipal Solid Waste Landfill Site”,
2013	International Journal of Research in Engineering and Technology, 2(8),	*Barjinder Bhalla, M.S.Saini, M.K.Jha “Effect of Age and Seasonal Variations on Leachate Characteristics of Municipal Solid Waste Landfill”,
2012	Bioresource Technology 104, 257-265	*Shailendra Kumar Singh, Ajay Bansal, M K Jha and Apurba Dey “An integrated approach to remove Cr (vi) using immobilized chlorella minutissima grown in nutrient rich sewage wastewater”
2012	Journal of Environmental Sciences 23 (3) 513-520	*Varsha, M K Jha and Apurba Dey “Sulfide oxidation in fluidized bed bioreactor using nylon support material”
2012	Journal of Ultra Chemistry Vol. 8 (1), 11-20,	Shailendra J Naik, Pushpa Jha and M K Jha “Application of the Steam Assisted Gravity Drainage heavy oil Recovery”
2012	Journal of Ultra Chemistry Vol. 8 No. 1 pp 49-60	Prashant Kumar, P Sethivel, Diswanath Saha and M K Jha “Study on effects of Polymer on Properties of Bitumen”
2012	Indian Chemical Engineer Vol. 53 No.4 pp 205-213, 2011 (IF: 0.142)	Shailendra Kumar Singh, Ajay Bansal, M K Jha and Apurba Dey “Comparative Studies on Uptake of Wastewater Nutrients by Immobilized Cells of Chlorella minutissima and Dairy Waste Isolated Algae”
2012	” Journal of Scientific & Industrial Research Vol. 71 pp.290-294	*Poonam Chadha, Ajay K Arora, Shanti Prakash, Mithilesh K Jha, Suresh K Puri, Deepak K Tuli and Ravinder K Malhotra “Ultrasonic assisted in Situ Transesterification of Jatropha seed to Biodiesel”

2012	" Microporous and Mesoporous Materials 155, 177-185	*R K Sharma, B S Rana, D Varma, R Kumar, R Tiwari, M K Jha and A K Sinha "3D Mesoporous Titanosilicate Support for Highly Effective Hydrodesulfurization Catalysts"
2012	" Journal of Engineering Science and Technology (JESTEC) (in press)	Varsha, M K Jha and Apurba Dey "Biological oxidation of sulfide using mixed microbial culture"
2012	Korean Journal of Chemical Engineering	Varsha Midha, Mithilesh Kumar Jha and Apurba Dey "Neural Network Prediction of Fluidized Bed Bioreactor Performance for Sulfide Oxidation"
2012	International Journal of Engineering Research and Applications (IJERA) Vol. 2 Issue 6, pp 732-745	Barjinder Bhalla, M S Saini and M K Jha "Characterization of Leachate from Municipal Solid Waste (MSW) Landfilling Sites of Ludhiana, India: A Comparative Study"
2012	Artificial Cells, Nanomedicines and Biotechnology	*E.S.Johal, M S Saini and M K Jha "Development of novel nanocomposite membrane for water purification
2012	Journal of Recent Advance in Science Vol. II No. 2,	Aditya Rastogi and M K Jha "Kinetic Study of Pyrolysis of Biomass with different Models"
2012	International Journal of Engineering Research and Applications, 2(6) 732-745	Barjinder Bhalla, M.S.Saini, M.K.Jha "Characterization of Leachate from Municipal Solid Waste (MSW) Land filling Sites of Ludhiana, India: A Comparative Study",
2011	International Journal of Chemical Sciences under Journal of Ultra Chemistry Volume 7 (1) pp 123-133	*Poonam Gera, S K Puri and M K Jha "Use of Basic Heterogeneous Catalysts for Biodiesel Production: A Review"
2011	Journal of Environmental Research and Development Vol. 5 No. 4 pp. 938-942	*Varsha Midha, M K Jha and Apurba Dey "Sulfide Oxidation in Fluidized Bed Biofilm Reactor using Polymeric Materials as Support Particles"
2011	International Biodeterioration & Biodegradation, Elsevier Publication 65 (2011) 1169-1174	*Vidushi Bajpai, Apurba Dey, Subrata Ghosh, S Bajpai and M K Jha "Quantification of bacterial adherence on different textile fabrics"
2011	Journal of Recent Advances in Science Vol. 1, No.3	Shailendra Kumar Singh, M K Jha, Ajay Bansal, Apurba Dey "Algae: A Promising Bioindicator for Heavy Metal Pollution"
2010	of New Frontiers in Biofuels published by Scitech Publications (India) Pvt. Ltd. pp 372-380	*Poonam Gera, S K Puri and M K Jha "Use of Basic Heterogeneous Catalysts for Biodiesel Production: A Review"
2010	International Journal of Chemical and Biological Engineering pp. 153-158, 33	*N K Srivastava, M K Jha, I D Mall and Davinder Singh "Application of Genetic Engineering for Chromium Removal from Industrial Wastewater"
2010	Ultra Scientist of Physical Sciences Volume 22, No.1 pp. 203 - 208	E.Johal, M K Jha and M S Saini "Analysis of the Characteristics of the Leachate" at Waryana Jalandhar (India)
2010	Journal of Environmental Research and Development Volume 5 No. 3 pp. 666-672.	Vidushi Bajpai, Shailendra Bajpai, M K Jha, Apurba Dey and Subrata Ghosh, "Microbial Adherence on Textile Materials – A Review"
2010	Ultra Scientist of Physical Sciences Volume 22, No.3 pp. 632 - 636	E.Johal, M K Jha and M S Saini "Studies on treatment of Heavy Metals using Waste Tea Leaves"
2009	Energy Policy Volume 37, Issue 2 pp 554-559 February,	*Manjula Siriwardhana, G K C Opathella and M K Jha "Bio-Diesel: Initiatives, Potential and Prospects in Thailand: A Review"
2008	The Indian Journal of Technical Education volume 31 No.1 PP 70-77January - March	Vivek Ranjan and M K Jha "Engineering Ethics: A Review"

2008	Journal of Industrial Pollution Control 24 (2), pp 101-110	M K Jha and Rajesh Sharma “Environmental Sustainability Via Emerging Molecular Nanotechnology”
2007	Chemical Business Volume 21 No.4, 25-29	M K Jha, A.K.Jana and Vipin Suneja “Design of Reactive Distillation”
2005	Paint India Vol. LV No.4, 77-83	M.K.Jha and T. Jain “Prospects and Concerns of Paint Industries”
2005	The Journal of Indian Chemical Engineer Vol. 47/No.3, 209-211	M.K. Jha “Re-refining of Used Lube Oils: An Intelligent and Eco-friendly Option”
2004	” Chemical Business Volume 18 No.2, 61-73	M.K.Jha, Hemkant Sharma and Bindu Marwaha “Processes for Production of biodiesel from vegetables oils”
2004	Part I Lubrication Science, France 405-419	R.B. Chaudhary and M.K.Jha “Action Mechanism of Boundary Lubrication Additive- A Review”
2004	Indian Journal of Chemical Technology Vol. 11, 659-671	R.B. Chaudhary, A.K.Jana, and M.K.Jha “Enzyme Technology Applications in Leather Processing”
2004	” Part II Lubrication Science, France 75-93,	R.B. Chaudhary and M.K.Jha “Action Mechanism of Boundary Lubrication Additive- A Review
2004	Journal of Industrial Pollution Control 301-310, 20 (2)	M.K.Jha, B.B.Singh and T.K.Roy “Oil Spill and its Containment”
2003	Indian Journal of Environmental Protection Volume 23 Number 10, 1153-1160	M.K.Jha, O.A.K. Sondhi and M. Pansare “Solid Waste Management – A Case Study”,
2003	Chemical Weekly XLIX, 181- 185	M.K Jha and A. Sethia “Natural Gas Based Chemical Industries in India,”
2002	Journal of The Institution of Engineers (India), Chemical Engineering Division, 82, 69-77	K.P. Sharma and M.K.Jha “Status of Open Pan Sulphitation Khandsari Technology in Northern India”
2001	The Journal of Engineering Education, 10-13 XV (1)	M.K Jha “Integration of Human Values in Technical Education”
1994	Ocean Technology Perspective published by Publication and Information Directorate, CSIR, New Delhi, 200- 214	M.K. Jha and T. Kumar “Selection of Artificial Island for Shallow Oilfields”
1990	Mineral and Mining World, 24-29	T. Kumar and M.K. Jha “Petroleum Engineering Education in India

Conference Publications :

Year	Conference	Publication
2022	International Chemical Engineering Conference 2022 on “The Role Of Chemical and Allied Engineering in Environmental Protection and Green Energy”	Department of Chemical and Biochemical Engineering Indian Institute of Technology Patna in association with Indian Institute of Chemical Engineers Patna Regional Centre
2021	“Study on Pyrolysis Kinetics of woody biomass, coal and its blends using Thermogravimetric analysis” proceeding of 5th International Conference on Bioenergy Environment and Sustainable Technologies (BEST 2021) held at Arunai Engineering College, Tiruvannamalai, Tamilnad	Ravneet Kaur, Thalada Bhaskar, Mithilesh Kumar Jha “Study on Pyrolysis Kinetics of woody biomass, coal and its blends using Thermograv-imetric analysis”
2021	National Conference on Sustainable Research in Energy and Environment (SREE-2021) Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab	Jaspreet Kaur, Dr. Anil Kumar Sarma, Dr. M. K. Jha and Dr. Poonam Gera, “Effective transformation of glycerol into 1,3-propanediol via hydrogenolysis”,

2018	Third International Conference on Sustainable Energy & Environment Challenges (SEEC-2018) at Indian Institute of Technology, Roorkee	Ravneet Kaur, Poonam Gera, Mithlesh Kumar Jha & Thallada Bhaskar (IIP Deh-radun) got best paper oral presentation award entitled "Catalytic Hydrothermal Lique-faction of Castor Residue: Effect on Product Yield and Distribution of Liquid Product"
2018	14th Annual Conference on Recent Appointees in Polymer Sciences, University of Bradford, England. pp. 1-8	V. Sodhi., A. Bansal and M. K. Jha. "Polyacrylamide based Modified Flocculants for Tannery Effluent Treatment"
2018	71th Indian Chemical Engineering Congress (CHEMCON)	Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha, "Minimization of excess biosolids in oxic-settling-anoxic (OSA) treatment for tannery influent"
2018	Environmental geotechnology, recycled waste materials and sustainable engineering (EGRWSE)	Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha, "Minimization of biosludge from tannary effluent using anoxic modified conventional activated sludge process"
2018	Third International Conference on Sustainable Energy and Environmental Challenges (3rd SEEC), IIT Roorkee	Kaur, R., Gera, P., Jha, M. K., & Bhaskar, T., "Catalytic hydrothermal liquefaction of castor residue: effect on product yield and distribution of liquid product"
2018	71st Annual Session of Indian Institute of Chemical Engineers "CHEMCON-2018" on "Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities & Challenges", NIT, Jalandhar	Ravneet Kaur, Poonam Gera, Mithilesh Kumar Jha, Thallada Bhaskar, "A review on the effects of process parameters in the hydrothermal liquefaction of biomass"
2018	71st Annual Session of Indian Institute of Chemical Engineers "CHEMCON-2018" on "Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities & Challenges", NIT, Jalandhar	Jaspreet Kaur, M. K. Jha, Poonam Gera, Anil Kumar Sarma, "Conversion of Crude Glycerol into Value-added products via different pathways: A Review"
2018	National Conference on Advances in Chemical Science & Technology ACST-18, NIT, Jalandhar	Jaspreet Kaur, Poonam Gera, M K Jha, Anil Kumar Sarma, "Conversion of crude glycerol into value-added products"
2018	"Application of RSM for optimizing the biodiesel production catalyzed by calcium methoxide", NIT, Jalandhar	Kashish Mehta, Neetu Divya, M.K Jha, "International Conference on Environment Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWMSE 2018)"
2018	International Conference on Environment Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWMSE), NIT, Jalandhar	Pankaj Kumar, Neetu Divya, J.K. Ratan, "Synthesis and characterization of chemically derived graphene Oxide from graphite"
2018	International Conference on Environment Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWMSE), NIT, Jalandhar	Kashish Mehta, Neetu Divya, M.K Jha, "Application of RSM for optimizing the biodiesel production catalyzed by calcium methoxide"
2018	National Conference on Advances in Chemical Science & Technology (ACST), NIT, Jalandhar	Kashish Mehta, Neetu Divya, M.K Jha, "One pot synthesis of modified zinc oxide nanoparticles by sol gel method for dye removal"
2017	6th International Conference on "Advances in Energy Research", Indian Institute of Technology, Bombay	Jaspreet Kaur, Poonam Gera, M K Jha, Anil Kumar Sarma, "A study on the conversion of Glycerol into solketal using Rice husk derived catalyst"

2016	National Conference on Advances in Chemical and Environmental Engineering (ACEE-16). National Institute of Technology, Jalandhar. WW-06	V. Sodhi., A. Bansal and M. K. Jha. "Chromium (VI) in Wastewater: History and Remedies for Large Scale Treatment"
2016	Advances in Chemical and Environmental Engineering	K Mehta, Ajay bansal, M K Jha, N Divya, "Fly ash based zeolite as a potential photocatalyst"
2016	Advances in Chemical and Environmental Engineering	Vijay Sodhi, Ajay bansal, M K jha, "Response of an Anoxic-Aerobic Activated Sludge operation for synthetic and real Industrial wastewater"
2016	Second International Conference on Recent Advances in Bio-energy Research (ICRABR), SSS NIRE, Kapurthala	Kaur, Ravneet., Gera,Poonam., Jha, MK, "Study on effects of different operating parameters on the pyrolysis of biomass: A review"
2016	Second International Conference on Recent Advances in Bio-energy Research (ICRABR), SSS NIRE, Kapurthala	Jaspreet Kaur, Lakhya Jyoti Konwar, Mithilesh Kumar Jha, Poonam Gera, Anil Kumar Sarma, "A review: Conversion of crude glycerol via different pathways and techno-economic feasibility"
2016	4thInternational Conference on "Sustainable Bioprocessing products for Food, Nutrition, Health and Environment (BPI), Knowledge City, Sector-81, Mohali	Kaur,R., Biswas, B., Kumar, J., Gera,P., Jha M.K., Bhaskar, T., Hydrothermal liquefaction of castor plant waste for bio-energy applications
2016	National Conference on Advances in Chemical and Environmental Engineering (ACEE), NIT, Jalandhar	Kaur, Ravneet., Gera,Poonam., Jha, MK, "Pyrolysis kinetics of waste wood using Thermogravimetric analysis"
2016	National Conference on Advances in Chemical and Environmental Engineering, NIT, Jalandhar	Kashish Mehta, Dr Ajay Bansal, Dr M K Jha, Dr Neetu Divya, "Fly Ash Based zeolite: As a potential photocatalyst"
2016	Second International Conference on Recent Advances in Bio-Energy Research (ICRABR), SSS-NIBE, Kapurthala, Punjab.	Kashish Mehta, M.K Jha, Neetu Divya, "Transesterification of Jatropha Curcas Oil Using Calcium Methoxide as a Solid Base Catalyst"
2015	1st International Conference on "Recent Advances in Bio-Energy Research (ICRABR-2015)", SSS-NIBE, Kapurthala, Punjab.	Jaspreet Kaur, Lakhya Jyoti Konwar, Mithilesh Kumar Jha, Anil Kumar Sarma, "Downstream Processing of Crude Glycerol into useful products and chemicals"
2015	ISTE Engineering Education Congress and National Seminar on "Sustainability of Engineering Education"	Kashish Mehta and M K Jha "Indian Higher Education: Present Scenario and Future"
2015	ISTE Engineering Education Congress and National Seminar on "Sustainability of Engineering Education	Ravneet Kaur and M K Jha "Status of Technical Education in India
2015	" 2nd National Conference on Advanced Oxidation Processes held at SSBUICT, Panjab University, Chandigarh	V. Sodhi., A. Bansal and M. K. Jha "Advanced Treatment Technologies for Textile Wastewater
2015	68th Indian Chemical Engineering Congress (CHEMCON 2015) held at Indian Institute of Technology, Guwahati., 2015 WW-197	V. Sodhi., A. Bansal and M. K. Jha. "A Novel Improvement on Conventional Activated Sludge Process For Treatment of Industrial Wastewater"
2015	68th Annual Session of Indian Institute of Chemical Engineers "CHEMCON-2015" on Chemical Engineering: From Laboratory to Industry	Kaur, Ravneet., Gera, Poonam., Jha, MK, "Biofuels Production from Biomass: A review on Conversion Technologies"
2014	International Conference on Chemical Engineering - Emerging Dimensions and Challenges. Indian Chemical Engineering Congress (CHEMCON 2014). Panjab University, Chandigarh	V. Sodhi., A. Bansal and M. K. Jha. "Investigation of a Bench Scale Effluent Treatment for Tanneries"

2013	International conference on Water Desalination, Treatment and Management & Indian Desalination Association Annual Congress – 2013 (InDACon2013) organized by Department of Chemical & Civil Engineering, Malviya National Institute of Technology, Jaipur	Shailendra Kumar Singh, Shanthi Sundaram, M K Jha “Integrated Algal Technology for sustainable environment and energy
2013	International Conference GREENHOUSE – 2013 a joint Australia – New Zealand event organized by CSIRO in association with the Government of South Australia and the Australian Government Department of Climate Change and Energy Efficiency	M K Jha and Aditya Rastogi “Study of combustion and Pyrolysis Behavior of waste Biomass and kinetic Study by Thermo-gravimetric Analysis
2013	of 3rd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	Neetu Singh, M K Jha and A K Sarma “A critical review of Enzymatic Transesterification: A sustainable Technology for Biodiesel Production”
2013	3rd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	Prashant Kumar, M K Jha, Ajay Bansal and A K Sarma “Utilization of strontium oxide as catalyst for biodiesel production from High FFA containing jatropha curcas L oil
2012	5th International Congress of Environmental Research held at Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia in collaboration with the Journal of Environmental Research and Development	A K Choudhary, A Mukhopadhyay and M K Jha “Characterization of some Filtration Performances in Pulse Jet Filtration”
2012	5th International Congress of Environmental Research held at Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia in collaboration with the Journal of Environmental Research and Development	M K Jha and M K Jindal “Study on Conversion of Green House Gases to Syngas using Mesoporous Materials as Catalyst”
2012	2nd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	Prashant Kumar, M K Jha, Ajay Bansal and A K Sharma “Hybrid-Heterogeneous Catalyst for Biodiesel Production
2012	2nd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	Neetu Singh, M K Jha and A K Sharma “A study on enzymes and their use for Biodiesel Production: a review”
2012	2nd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala ISBN 978-81-927097-1-0	Navneet Sood, Rajeev Kumar Garg, M K Jha and Amit Arora “Treatment of Leachate by Using Natural Adsorbents”
2012	International Conference on Sustainable Technologies for Energy and Environment in Process Industries at National Institute of Technology, Jalandhar	Maqsood Azam and M K Jha “Study on Removal of Cr6 from waste water by ion exchange method: A Review”
2012	International Conference on Sustainable Technologies for Energy and Environment in Process Industries” at National Institute of Technology, Jalandhar	Neetu Singh, A P Singh Chouhan, M K Jha and A K Sharma “A Study for Kinetic behavior of biodiesel using TGA analysis
2012	International Conference on Sustainable Technologies for Energy and Environment in Process Industries” at National Institute of Technology, Jalandhar	Aakash Sharma, Gaurav Kilia, N K Srivastava and M K Jha “Production of Jet Fuel from Jatropha Oil”
2012	International Conference on Sustainable Technologies for Energy and Environment in Process Industries (CHEMCON-2012) at National Institute of Technology, Jalandhar	S K Singh, R K Sharma, M K Jha, A Bansal “Algal Technologies: Pioneer of the sustainable World
2012	5th International Congress of Environmental Research held at Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia in collaboration with the Journal of Environmental Research and Development	A K Choudhary, A Mukhopadhyay and M K Jha “Characterization of some Filtration Performances in Pulse Jet Filtration”

2012	5th International Congress of Environmental Research held at Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia in collaboration with the Journal of Environmental Research and Development	M K Jha and M K Jindal “Study on Conversion of Green House Gases to Syngas using Measoporous Materials as Catalyst”
2012	2nd National Conference on Recent Advances in Bio-Energy Research at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	Prashant Kumar, M K Jha, Ajay Bansal and A K Sharma “Hybrid-Heterogeneous Catalyst for Biodiesel Production”
2011	National Conference on Recent Advances in Bio Energy Research sponsored by the Ministry of New & Renewable Energy organized by SSS-NIRE, Kapurthala	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algal Bio-hydrogen-prospects and challenges”
2011	National Conference on Waste Management & Recycling organized by Department of Chemical Technology Sant Longowal Institute of Engineering and Technology, Longowal (Punjab)	Shailendra J. Naik, Pushpa Paul and M K Jha “Utilization of Produced Water in a Steam assisted Gravity Drainage Process of an enhance Oil Recovery”
2011	National Conference on Waste Management & Recycling organized by Department of Chemical Technology Sant Longowal Institute of Engineering and Technology, Longowal (Punjab)	Shailendra J. Naik, Pushpa Paul and M K Jha “Utilization of Produced Water in a Steam assisted Gravity Drainage Process of an enhance Oil Recovery”
2011	National Conference on Advances in Chemical Engineering Department of Chemical Engineering Thapar Institute of Engineering & Technology, Patiala pp 283-287	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Amrit Pal Singh “Carbon Credit Market and Algae-Based CO2 Sequestration Technology: A Review”
2011	National Conference Chemical Constellation Cheminar, organized by Department of Chemistry Dr. B R Ambedkar National Institute of Technology, Jalandhar	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algal technologies: Pioneering the sustainable development of energy and environment”
2011	4th International Conference on Sustainable Energy and Environment (SEE 2011): A Paradigm Shift to Low Carbon Society, Bangkok, Thailand.	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algae-based technologies: A review of challenges and opportunities for sustainable development”
2011	” International Chemical and Environmental Engineering Conference, (ICEEC, 2011) Kuala Lumpur, Malaysia	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Bio-monitoring of heavy metal levels in environment: Algal toxicity test
2011	National Conference on Recent Advances in Bio Energy Research sponsored by the Ministry of New & Renewable Energy organized by SSS-NIRE, Kapurthala	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algal Bio-hydrogen-prospects and challenges
2011	. National Conference on Waste Management & Recycling organized by Department of Chemical Technology Sant Longowal Institute of Engineering and Technology, Longowal (Punjab)	Shailendra J. Naik, Pushpa Paul and M K Jha “Utilization of Produced Water in a Steam assisted Gravity Drainage Process of an enhance Oil Recovery”
2011	International Journal of Chemical Sciences under Journal of Ultra Chemistry Volume 7 (1) pp 123-133	Poonam Gera, S K Puri and M K Jha “Use of Basic Heterogeneous Catalysts for Biodiesel Production: A Review”
2011	National Conference on Advances in Chemical Engineering Department of Chemical Engineering Thapar Institute of Engineering & Technology, Patiala pp 283-287	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Amrit Pal Singh “Carbon Credit Market and Algae-Based CO2 Sequestration Technology: A Review”
2011	4th International Conference on Sustainable Energy and Environment (SEE 2011): A Paradigm Shift to Low Carbon Society, November, 23-25, 2011 Bangkok, Thailand	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algae-based technologies: A review of challenges and opportunities for sustainable development”

2011	National Conference Chemical Constellation Cheminar, organized by Department of Chemistry Dr. B R Ambedkar National Institute of Technology, Jalandhar	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algal technologies: Pioneering the sustainable development of energy and environment”
2011	4th International Conference on Sustainable Energy and Environment (SEE 2011): A Paradigm Shift to Low Carbon Society, November, 23-25, Bangkok, Thailand.	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algae-based technologies: A review of challenges and opportunities for sustainable development”
2011	International Chemical and Environmental Engineering Conference, (ICEEC, 2011) ,Kuala Lumpur, Malaysia.	Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Bio-monitoring of heavy metal levels in environment: Algal toxicity test
2010	First International Conference on New Frontiers in Biofuels organized by Delhi Technological University, Delhi at India Habitate Centre New Delhi	Shailendra Kumar Singh, M K Jha, A Dey and Ajay Bansal “Transforming Waste into Clean Energy: A Technological Overview”
2010	National Conference on “Recent Advances in Green, Eco-Friendly & Sustainable Chemistry”, Hans Raj Mahila Vidyalaya, Jalandhar, Punjab, India	S K Singh, M K Jha, Ajay Bansal, A Jindal “Algal Potential for bioremediation and green fuel technology
2010	National conference on “Process Industry and Sustainable Development” SCHEMCON-2010, RVR & JC college of Engineering, Guntur, Andhra Pradesh	S K Singh, M K Jha, Ajay Bansal, A Jindal “Exploring algal beads potential for waste water treatments”
2010	International Congress on Environmental Research at Reduit Mauritius	Vidushi Bajpai, Apurba Dey, Shailendra Bajpai, M K Jha and Subrata Ghosh “Quantification of Adherent Bacterial Cells on Biomaterials Current Perspective”
2010	Ultra Scientist of Physical Sciences Volume 22, No.3 pp. 632 - 63	E.Johal, M K Jha and M S Saini "Studies on treatment of Heavy Metals using Waste Tea Leaves”
2010	First International Conference on New Frontiers in Biofuels organized by Delhi Technological University, Delhi at India Habitate Centre New Delhi	Shailendra Kumar Singh, M K Jha, A Dey and Ajay Bansal “Transforming Waste into Clean Energy: A Technological Overview”
2010	National Conference on “Recent Advances in Green, Eco-Friendly & Sustainable Chemistry”, Hans Raj Mahila Vidyalaya, Jalandhar, Punjab, India	S K Singh, M K Jha, Ajay Bansal, A Jindal “Algal Potential for bioremediation and green fuel technology
2010	National conference on “Process Industry and Sustainable Development” SCHEMCON-2010, RVR & JC college of Engineering, Guntur, Andhra Pradesh	S K Singh, M K Jha, Ajay Bansal, A Jindal “Exploring algal beads potential for waste water treatments
2010	International Congress on Environmental Research at Reduit Mauritius	Vidushi Bajpai, Apurba Dey, Shailendra Bajpai, M K Jha and Subrata Ghosh “Quantification of Adherent Bacterial Cells on Biomaterials Current Perspective”
2010	Ultra Scientist of Physical Sciences Volume 22, No.3 pp. 632 - 636	E.Johal, M K Jha and M S Saini "Studies on treatment of Heavy Metals using Waste Tea Leaves”
2010	National Conference Chemical Constellation Cheminar, organized by Department of Chemistry Dr. B R Ambedkar National Institute of Technology, Jalandhar August	60. Shailendra Kumar Singh, M K Jha, Ajay Bansal and Apurba Dey “Algal technologies: Pioneering the sustainable development of energy and environment”
2008	International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand	Poonam Chadha and M K Jha “Feasibility Study of Jatropha Curcas Oil as a Diesel Substitute in a Single Cylinder Compression Ignition Engine”
2008	International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand	R B Chaudhary and M K Jha “Nanoscale Investigations for Resource Development of Clean, Green and Renewable Energy Packages”

2008	Indian Institute of Chemical Engineers (IICChE) Chandigarh Regional Centre in collaboration with Department of Chemical Engineering and Technology Panjab University, Chandigarh	Poonam Chadha and M K Jha “Briquetting and Pyrolysis of Biomass” Proc. Indian Chemical Engineering Congress and 61st Annual session of Indian Institute of Chemical Engineers and Seminar on “Green Technology and Sustainable Development”
2008	“National Seminar on Synergy in Mineral Sector for Sustainable Development”	M K Jha “Overview of Petroleum”
2008	in International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand	Poonam Chadha and M K Jha “Feasibility Study of Jatropha Curcas Oil as a Diesel Substitute in a Single Cylinder Compression Ignition Engine
2008	International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand	R B Chaudhary and M K Jha “Nanoscale Investigations for Resource Development of Clean, Green and Renewable Energy Packages
2008	National Seminar on Synergy in Mineral Sector for Sustainable Development”	M K Jha “Overview of Petroleum
2007	All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur	Anil Kumar, M K Jha and V P Singh “Study on Hydraulic Fracturing Technique for Application in Unconventional Gas Reservoirs”
2007	All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U.P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur	G K Sharma and M K Jha “Environment Protection by Re-refining of Used Lubricating Oils”
2007	World Congress on Engineering and Computer Sciences San Francisco USA PP 95-98	Jatinder Kumar, Ajay Bansal and M K Jha “Comparison of Statistical and Neural Network Techniques in Predicting Physical properties of various mixtures of Diesel and Biodiesel”
2007	World Congress on Engineering and Computer Sciences San Francisco USA PP 99-102	*M K Jha, A K Gupta and Vipin K Umar “Kinetics of Transesterification of Jatropha Curcas Oil to Biodiesel Fuel”
2007	International Conference on Present Status and Future Trends in Petroleum Industry organized by Department of Petroleum Engineering Indian School of Mines University Dhanbad	Anil Kumar, M K Jha, V P Singh and A K Srivastava “Simulation of Massive Hydraulic Fracturing for Unconventional Gas Reservoirs”
2007	Proc. Indian Chemical Engineering Congress and Seminar on Emergence of Indian Chemical Industry As a Global Giant: Vision 2020” Kolkata	38. Vijeta Jangra, Samandeep Sin M K Jha and Apurba Dey “Kinetic Analysis for the removal of Dye from Industrial Effluent by Adsorption
2007	World Congress on Engineering and Computer Science, University of California, San Francisco	Jatinder Kumar, Ajay Bansal, MK Jha, "Comparison of statistical and neural network techniques in predicting physical properties of various mixtures of diesel and biodiesel"
2007	All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur	Anil Kumar, M K Jha and V P Singh “Study on Hydraulic Fracturing Technique for Application in Unconventional Gas Reservoirs”

2007	All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U.P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur	G K Sharma and M K Jha “Environment Protection by Re-refining of Used Lubricating Oils”
2007	World Congress on Engineering and Computer Sciences San Francisco USA PP 95-98	Jatinder Kumar, Ajay Bansal and M K Jha “Comparison of Statistical and Neural Network Techniques in Predicting Physical properties of various mixtures of Diesel and Biodiesel”
2007	World Congress on Engineering and Computer Sciences San Francisco USA PP 99-102	M K Jha, A K Gupta and Vipin Kumar “Kinetics of Transesterification of Jatropha Curcas Oil to Biodiesel Fuel
2007	International Conference on Present Status and Future Trends in Petroleum Industry organized by Department of Petroleum Engineering Indian School of Mines University Dhanbad	Anil Kumar, M K Jha, V P Singh and A K Srivastava “Simulation of Massive Hydraulic Fracturing for Unconventional Gas Reservoirs
2007	Indian Chemical Engineering Congress and Seminar on Emergence of Indian Chemical Industry As a Global Giant: Vision 2020” Kolkata	38. Vijeta Jangra, Samandeep S M K Jha and Apurba Dey “Kinetic Analysis for the removal of Dye from Industrial Effluent by Adsorption
2006	Twenty second National Convention on latest advances in Petroleum and Petrochemical Industries organized by Institution of Engineers (India) Delhi State Centre, New Delhi	M K Jha, A K Gupta and Vipin Kumar “Production of Biodiesel from Jatropha Curcas: A Review”
2006	Thirteenth National Congress on Corrosion Control organized by National Corrosion Council of India at Mangalore	M K Jha, A K Gupta and Vipin Kumar “Biolubricants : Anti-Corrosive Material”
2006	International Conference on Bio-Fuels Vision – 2015 at Engineering College Bikaner, Bikaner (Rajasthan)	*Renu Bansal, Ajay Bansal and M K Jha “Development of Empirical Correlation to Predict Temperature Dependent Kinematics Viscosity of Biodiesel Blends”
2006	Twenty second National Convention on latest advances in Petroleum and Petrochemical Industries organized by Institution of Engineers (India) Delhi State Centre, New Delhi	M K Jha, A K Gupta and Vipin Kumar “Production of Biodiesel from Jatropha Curcas: A Review”
2006	Thirteenth National Congress on Corrosion Control organized by National Corrosion Council of India at Mangalore	M K Jha, A K Gupta and Vipin Kumar “Biolubricants : Anti-Corrosive Material”
2006	International Conference on Bio-Fuels Vision – 2015 at Engineering College Bikaner, Bikaner (Rajasthan)	Renu Bansal, Ajay Bansal and M K Jha “Development of Empirical Correlation to Predict Temperature Dependent Kinematics Viscosity of Biodiesel Blends”
2005	proc of 7th World Congress of Chemical Engineering, Glasgow, U.K.	*M.K.Jha and R.B. Chaudhary “Studies on Action Mechanism of Lubricity Additives”
2005	Proceeding of the 12th India Oil & Gas Review Symposium & International Exhibition (IORS-2005) at Mumbai	T.K.Roy, M.K.Jha and J.S. Mani “Oil Spill Response – Role of Chemical Dispersant”
2005	Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi December	Sarabjit Kaur, A.K.Jana and M.K.Jha “Studies on Storage Stability, Enzyme Activity and Operational Stability of Enzyme Alpha – Amylase”

2005	Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi December	*Jatinder Kumar, Amit Jain, Ajay Bansal and M.K. Jha “Neural Network Based Simulation for Prediction of Physical Properties of Diesel– Biodiesel Blends”
2005	7th World Congress of Chemical Engineering, Glasgow, U.K.	M.K.Jha and R.B. Chaudhary “Studies on Action Mechanism of Lubricity Additives”
2005	Proceeding of the 12th India Oil & Gas Review Symposium & International Exhibition (IORS-2005) at Mumbai	T.K.Roy, M.K.Jha and J.S. Mani “Oil Spill Response – Role of Chemical Dispersant”
2005	Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi	27. Sarabjit Kaur, A.K.Jana and M.K.Jha “Studies on Storage Stability, Enzyme Activity and Operational Stability of Enzyme Alpha – Emylase”
2005	Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi	Jatinder Kumar, Amit Jain, Ajay Bansal and M.K. Jha “Neural Network Based Simulation for Prediction of Physical Properties of Diesel– Biodiesel Blends”
2004	Indian Chemical Engineering Congress and 57th Annual Session of Indian Institute of Chemical Engineers, organized by Mumbai Regional Centre, Mumbai	M.K Jha, and H.S. Sangha “Food Processing – An Innovative Approach”
2004	Indian Chemical Engineering Congress and 57th Annual Session of Indian Institute of Chemical Engineers, organized by Mumbai Regional Centre, Mumbai	M.K Jha, and H.S. Sangha “Food Processing – An Innovative Approach”
2003	5th International Petroleum Conference and Exhibition (Petrotech 2003) Vol – I, Paper No. H033, New Delhi	*T.K Roy, M.K.Jha and J.S. Mani “Modeling of Oil Dispersion in the Coastal and Ocean Region”,
2003	Proceedings of 10th India Oil & Gas Review Symposium & International Exhibition (IORS-2003) paper no. 106 at Mumbai	T.K.Roy, M.K.Jha and J.S.Mani “Two Dimensional Oil Spill Model for Prediction of Oil Dispersion in the Coastal Waters”,
2003	56th Annual Session of Indian Institute of Chemical Engineers, organized by Regional Research Laboratory, Bhubaneswar	*M.K. Jha “Re-refining of Used Lube Oil : An Intelligent and Eco friendly Option,” Proc. Indian Chemical Engineering Congress
2003	Indian Chemical Engineering Congress and 56th Annual Session of Indian Institute of Chemical Engineers, organized by Regional Research Laboratory, Bhubaneswar	M.K Jha, and H.S. Sangha “Recent Advances in Distillation Processes,
2003	Indian Chemical Engineering Congress and 56th Annual Session of Indian Institute of Chemical Engineers, organized by Regional Research Laboratory, Bhubaneswar,	M.K Jha, and H.S. Sangha “Recent Advances in Distillation Processes,
1999	Workshop on Used Oil Recycling in India organized by Indian Institute of Petroleum, Dehradun under the aegis of Tribology Society of India (Affiliated to International Tribology Council, U.K.)	R.S. Bharaj and M.K.Jha “Re-refining of Used Oil-An Innovative Approach,
1998	ISTE Annual Convention and Regional Seminar on Environmental Pollution & Control, organized by ISTE Chapter Beant College of Engineering and Technology, Gurdaspur,	M.K.Jha “Environment Management in Petroleum Industry”

1996	Fourth Indian Conference on Ocean Engineering: INCOE-91, organized by National Institute of Oceanography, Goa	M.K. Jha , T. Kumar and J.S. Mani “Feasibility Study on Developing an Artificial Island off East Coast of India
1995	Abstract published in first International Petroleum Conference PETROTECH-95 , New Delhi,	M.K Jha, and T. Kumar “Wave Refraction Study Around Artificial Island in East Coast of India,”
1990		National Seminar on Strategies in Petroleum Production and Utilization, organized by Department of Petroleum Engineering, Indian School of Mines, Dhanbad,
1990	All India Seminar on Recovery of Coal Chemicals organized by the Institution of Engineers (India) Jamshedpur Local Center, Jamshedpur	S.K. Jha, and M.K.Jha “Underground Gasification of Coal with a Reference to UCG in USSR”,

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book Chapter	A Study on Conversion of Glycerol into Solketal Using Rice Husk-Derived Catalyst. Advances in Energy Research, Vol. 2, pp 599-606	Springer	J. Kaur, P. Gera, M.K. Jha, A.K. Sarma		2020
Book Chapter	Thermochemical Route for Biohydrogen Production	Elsevier	Ravneet Kaur, Poonam Gera, Mithilesh Kumar Jha, Thallada Bhaskar		2019
Book Chapter	Minimization of Biosolids from Tannery Effluent Using Modified Conventional Activated Sludge Process	Springer	Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha		2019
	Application of RSM for optimizing the biodiesel production catalyzed by calcium methoxide	Springer	Kashish Mehta, Mithilesh Kumar Jha, Neetu Divya		2018
Book Chapter	Treatment of Leachate by Using Natural Adsorbents, Recent Advances in Bioenergy Research Volume II,	SSS-NIRE	Sood N, Garg R K, Jha M.K., Arora A.,		2013
Book Chapter	Algal Bio-Hydrogen-Prospects and Challenges	Sardar Swaran Singh National Institute of Renewable Energy; Kapurthala, India	Singh S K, Jha MK, Bansal A & Dey A		2012
Book Chapter	Selection of Artificial Island for Shallow Oilfields	CSIR New Delhi	M K Jha and T. Kumar		1994

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
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Principal Investigator	TEQIP-III	Process Optimisation of upgraded Bio-chemical Treatment for Excess Sludge Minimisation from High Strength Industrial Wastewater	World Bank	01.10.2019	31.03.2021	14.85	Completed	Dr P P S Cheema, GNE Ludhiana, Dr Reena Sharma ABVGIT, Shimla
Principal Investigator	TEQIP	Fund for Upgradation of quality Education, Innovation and Research	MHRD	01.01.2017	31.12.2017	100	Completed	
Principal Investigator	TEQIP-II	Design and Operational Analysis of upgraded treatment for real industrial waste water	MHRD	01.01.2015	31.12.2016	0.50	Completed	
Principal Investigator	FIST	Fund for improvement of S&T Infrastructure	DST	01.01.2015	31.12.2015	155	Completed	
Principal Investigator	TEQIP	Modernization of Material Testing Laboratory	MHRD	01.01.2005	31.12.2005	4.15	Completed	
Principal Investigator	TEQIP	Modernization of Leather Processing Laboratory	MHRD	01.01.2015	31.12.2005	44	Completed	
Principal Investigator	TEQIP	Modernization of Microbiology Laboratory	MHRD	01.01.2005	31.12.2005	1.50	Completed	
Principal Investigator	TEQIP	Creating of Bio Engineering Facility	MHRD	01.01.2004	31.12.2004	32.4	Completed	
Principal Investigator	TEQIP	Upgradation of Mass Transfer Laboratory	MHRD	01.01.2004	31.12.2004	13.20	Completed	
Principal Investigator	TEQIP	Expansion of Fluid Mechanics Laboratory	MHRD	01.01.2004	31.12.2004	2.25	Completed	

Principal Investigator	MODROB	Modernization of Chemical Process Control laboratory	MHRD	01.01.2003	31.12.2003	8.0	Completed	
Principal Investigator	THRUST AREA	Production Recovery and Application of Enzymes	MHRD	01.01.2000	31.12.2000	10.00	Completed	
Principal Investigator	THRUST AREA	Raw Material Testing & Product Evaluation for Development & Quality Control in the area of Polymer/Rubber Technology	MHRD	01.01.1999	31.12.1999	10.00	Completed	
Principal Investigator	MODROB	Modernization of Fuel Technology Laboratory	MHRD	01.01.1999	31.12.1999	9.00	Completed	
Principal Investigator	MODROB	Modernization of Industrial Pollution Abatement & Control Laboratory	AICTE	01.01.1997	31.12.1997	5.00	Completed	
Principal Investigator	ENERGY PARK	Setting up of an Energy Park	MNES	01.01.1996	31.12.1996	2.30	Completed	
Principal Investigator	MODROB	Modernization of Chemical Technology Laboratory	AICTE	01.01.1995	31.12.1995	10.00	Completed	
Principal Investigator	R & D	Effective Pollution Abatement & Biogas Generation through Molasses based Fermentation Industrial Effluents	MHRD	01.01.1994	31.12.1994	10.00	Completed	

Principal Investigator	NEAC	National Environment Awareness Campaign	MEF	01.01.1995	31.12.2005	1.00	Completed	
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Events Organized :

Category	Type	Title	Venue	From	To	Designation
Short Term Training Programme	National	Hydrocarbon Engineering	Department of Chemical Engineering, NIT Jalandhar	6/12/2002	10/12/2002	Organiser
Short Term Training Programme	National	Recent Advances in Hydrocarbon Engineering	Department of Chemical Engineering NIT Jalandhar	11/09/2014	15/09/2014	Organiser
Global Initiative for Academic Networks (GIAN)	International	Industrial Catalytic Technology	Department of Chemical Engineering NIT Jalandhar	11/07/2016	15/07/2016	Organiser
Short term training programme	National	Hydrocarbon Engineering and Management	Department of Chemical Engineering, NIT Jalandhar	22/11/2007	26/11/2007	Organiser
Short Term Training Programme	National	Environment Management in Process Industry	Department of Chemical Engineering, NIT Jalandhar	05/06/2011	09/06/2011	Organiser
Short Term Training Programme	National	Recent Advances in Energy Technology	Department of Chemical Engineering, NIT Jalandhar	02/06/2014	06/06/2014	Organiser
Seminar	National	Water Quality and Conservation	Department of Chemical Engineering NIT Jalandhar	03/09/2007	03/09/2007	Organiser
Workshop	National	Water Quality and Management in Leather Industry	Department of Chemical Engineering NIT Jalandhar	19/09/2007	19/09/2007	Organiser
Indian Chemical Engineering Congress (CHEMCON - 2012)	International	65th Annual Session of Indian Institute of Chemical Engineers and International Seminar on "Sustainable Technologies for Energy and Environment in Process Industries"	Department of Chemical Engineering, NIT Jalandhar	27/12/2012	30/12/2012	Organiser

2nd ISTE Regional Convention and National Seminar	National	Management of Technical Institutions	Department of Chemical Engineering	30/10/2013	31/10/2013	Organiser
Seminar	National	ISTE Engineering Education Congress and National Seminar on "Sustainability of Engineering Education"	Department of Chemical Engineering, NIT Jalandhar	26/03/2015	27/03/2015	Organiser
Chemcon 2018	National	Indian Chemical Engineering Congress (CHEMCON - 2018), 71th Annual Session of Indian Institute of Chemical Engineers and International Seminar on "Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities and Challenges"	Department of Chemical Engineering, NIT Jalandhar	27/12/2018	30/12/2018	Organiser
Short Term Training Programme	National	Occupational Safety and Environmental Management in Process Industries	Department of Chemical Engineering NIT Jalandhar	03/06/2019	07/06/2019	Organiser
Conference	International	100 Glorious years of Chemical Engineering & Technology	Department Chemical Engineering NIT Jalandhar	16/09/2021	19/09/2021	Organizer
Lecture organized	National	Green and Clean Energy	IICHe DRC in association with Department of Chemical Engineering NITJ	19/04/21	19/04/21	Organizer
Conference	National	Sustainable Research in Energy and Environment	Department of Chemical Engineering and Department of Biotechnology NITJ	15/01/2021	16/01/21	Organizer
Webinar	National	Hydroprocessing Technologies in Petroleum Refinery	Department of Chemical Engineering on September	19/09/2020	19/09/2020	Organizer
Webinar	National	IT not only Enabler, But Critical Element of Engineering and Business Operation	Department of Chemical Engineering	05/09/2020	05/09/2020	Organizer
Webinar	National	Bioenergy: Transition and Technology	Centre for Energy and Environment	03/07/2020	03/07/2020	Organizer

Summer Internship	National	Mentee Students	Department of CSE Guru Nanak Dev Engineering College Ludhiana	13/06/2019	13/07/2019	Mentor
Workshop	National	MOOCs Awareness	Guru Nanak Dev Engineering College Ludhiana	25/07/2019	25/07/2019	Mentor
Conference	National	Data Analytics- Trends and Applications	Guru Nanak Dev Engineering College	24/06/2019	29/06/2019	Mentor
Conference	National	Enabling Technologies for Wireless and Optical Networks	Guru Nanak Dev Engineering College	10/06/2019	14/06/2019	Mentor
Conference	National	Pedagogical Tools & Techniques-Effective Teaching & Comprehensive Progress	Guru Nanak Dev Engineering College	24/06/2019	29/06/2019	Organizer
Conference	National	Industry Institute Interaction Programme	TEQIP-II	05/03/2016	06/03/2016	Mentor
Symposium	National	Emerging Trends in Mining Industry		12/09/2014	13/09/2014	Organizer
2nd ISTE Regional Convention and National Seminar	National	Management of Technical Institutions	ISTE NIT Jalandhar	30/10/2013	31/10/2013	Organizer
Workshop	National	Refining & Petrochemicals	Petroleum Federation of India, Lovraj Kumar Memorial Trust	25/08/2010	28/10/2010	Mentor
Congress	National	Student Chemical Engineering	Indian Institute of Chemical Engineers NIT Student Chapter under Doaba Regional Centre and Department of Chemical Engineering at NIT Jalandhar	26/09/2008	27/09/2008	Organizer
Seminar	National	TECHEM-2003	Chemical & Bio Engineering	5/2003	7/2003	Organizer
Seminar	National	All India Student Seminar TECHEM-2003	Deptt. of Chemical & Bio Engineering, NIT Jalandhar	05/2003	7/2003	Organizer
Third National Annual Students Convention of ISTE	National	Role of Information Technology in Technical Education	Indian Society for Technical Education, New Delhi	14/10/2000	15/10/2000	Mentor

Seminar	National	Water Pollution	Ministry of Environment and Forest Govt. of India, New Delhi	20/03/1999	20/03/1999	Mentor
Workshop	National	Patent Awareness	Ministry of Science & Technology Govt. of India New Delhi	21/01/1999	21/01/1999	Mentor
Second Annual Students Convention	National	Indian Society for Technical Education Punjab, H.P, J&K and Chandigarh	Indian Society for Technical Education, New Delhi.	19/09/1998	19/09/1998	Mentor
Seminar	National	Solid Waste Management	Energy Cell REC, Jalandhar.	30/04/1998	30/04/1998	Organizer
Seminar	National	Recent Advances in Energy Technology	Ministry of Non-Conventional Energy Sources Govt. of India, New Delhi	28/01/1998	28/01/1998	Mentor
Workshop	National	Medicinal Plant	Department of Chemical & Bio Engineering REC, Jalandhar	21/11/1997	21/11/1997	Organizer
Workshop	National	Energy Conservation in Building Systems	Energy Cell Regional Engineering College, Jalandhar	06/11/1997	8/11/1997	Organizer
Seminar	National	Women and Environment	Ministry of Environment & Forest Govt. of India New Delhi	06/06/1996	06/06/1996	Mentor
Seminar	National	All India Students Seminar TECHEM-96	Department of Chemical & Bio Engg. Regional Engineering College, Jalandhar	15/03/1996	16/03/1996	Organizer
Workshop	National	Oil Conservation	Petroleum Conservation Research Association, New Delhi and Rotary Club, Jalandhar West	19/05/1995	19/05/1996	Mentor
Seminar	National	All India Students Seminar TECHEM-95	Department of Chemical & Bio Engineering, Regional Engineering College, Jalandhar	29/04/1995	29/04/1995	Organizer
Seminar	National	Management of Technical Institutions	REC, Jalandhar	29/04/1995	29/04/1995	Organizer

Workshop	National	Interview Techniques for Job Selection	Institution of Engineers Dhanbad Local Center and Petroleum Engineering Society, Indian School of Mines, Dhanbad	09/03/1991	09/03/1991	Mentor
Online Short Term Training Programme	National	Energy Application in Computer, Communication, Chemical and Electronic Engineering	Centre for Energy and Environment and ABV Govt. Institute of Engineering and Technology, Shimla under TEQIP-III	27/02/2021	03/03/2021	Organizer
Online Short Term Training Programme	National	Modern Practices in Hydrocarbon Engineering	Department of Chemical Engineering under TEQIP – III	27/11/2020	01/12/2020	Organizer
Online International Short Term Training Programme	International	Current and Future Scope of Surface Coatings	Department of Chemical Engineering	02/12/2020	06/12/2020	Organizer
Online Short Term Training Programme	National	Computational Methods and Analysis for Engineers under TEQIP-III	Department of Chemical Engineering	18/11/2020	22/11/2020	Organizer
Online Short Term Training Programme	National	Advances in Chemical, Biochemical and Allied Industries	Centre for Energy and Environment and Department of Biotechnology	05/11/2020	09/11/2020	Organizer
Online Short Term Training Programme	National	Mathematical Modeling of Complex Fluids	under TEQIP-III	24/04/2020	28/04/2020	Organizer
Online Short Term Training Programme	National	Valorization of Lignocellulosic biomass towards sustainable fuels, chemical and materials	under TEQIP – III	18/09/2020	22/09/2020	Organizer
Short Term Training Programme	National	Water Quality Management	under TEQIP-II	20/06/2016	24/06/2016	Organizer
Short Term Training Programme	National	Hydrocarbon Engineering”	AICTE/ISTE	06/12/2002	16/12/2002	Organizer

Winter School	National	Recent Advances in Petrochemical Technology	All India Council for Technical Education and organized through Indian Society for Technical Education, New Delhi	20/11/2000	01/12/2000	Organizer
Short Term Training Programme	National	Research & Development	ISTE	01/03/2000	05/03/2000	Organizer
Winter School	National	Industry Institute Partnership: Vision 2000 & Beyond	All India Council for Technical Education and organized Through Indian Society for Technical Education, New Delhi	28/12/1999	08/01/2000	Organizer
Winter School	National	Recent Advances in Process Plant Operation	All India Council for Technical Education New Delhi	28/12/1999	08/01/2000	Organizer
Short Term Training Programme	National	Total Quality Management in Technical Education	ISTE	24/02/1999	29/02/1999	Organizer
Winter School	National	Chemical Process Instrumentation	All India Council for Technical Education, New Delhi	19/02/1996	29/02/1996	Organizer
Professional Development Program	National	Induction Training for Teachers	Indian Society for Technical Education, New Delhi	08/01/1996	12/01/1996	Organizer
Short Term Training Programme	National	Renewable Energy & Sustainable Development	Research & consultancy Section, National Institute of Technology, Uttarakhand	01/03/2021	05/03/2021	Mentor
Short Term Training Programme	National	Current and Future Scope of Surface Coatings	Department of Chemical Engineering NIT Jalandhar	02/12/2020	06/12/2020	Organizer
Short Term Training Programme	National	Biomass Valorization and its Life Cycle Assessment (LCA)	Centre for Rural Development and Technology, Indian Institute of Technology, Delhi	01/12/2005	05/12/2005	Mentor
Short Term Training Programme	National	Current Industrial Practices in Chemical Engineering	Department of Chemical Engineering	07/10/2020	11/10/2020	Organizer

Short Term Training Programme	National	Management Capacity Enhancement Programme	MHRD's National Mission for Teachers and Administrators held at The Indian Institute of Management Indore	05/10/2015	11/10/2015	Mentor
Short Term Training Programme	National	Exploration, Production and Refining of Petroleum	National Institute of Technology, Durgapur	07/01/2013	11/01/2013	Mentor
Short Term Training Programme	National	Advances in Petroleum Refining Industry	Petrotech Society New Delhi and Indian Oil Corporation Ltd. At Indian Oil Institute of Petroleum Management, Gurgaon during	03/07/2006	08/07/2006	Mentor
Short Term Training Programme	National	Modeling of Industrial Reactors	Department of Chemical Engineering, Indian Institute of Technology Kanpur	12/07/2004	17/07/2004	Mentor
Short Term Training Programme	National	Present Trends & Future Prospects of Non-Conventional Energy in Jharkhand – Problems & Challenges	Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi	09/06/2003	21/06/2003	Mentor
Short Term Training Programme	National	Advanced Process Control Techniques	Indian Society for Technical Education, New Delhi and Gujarat State Fertilizers Corporation, Baroda, at GSFC Baroda	07/10/1996	12/10/1996	Mentor
Short Term Training Programme	National	Two Phase Flow in Pipelines	Quality Improvement Center, University of Roorkee at Deptt. of Chemical Engg. University of Roorkee, Roorkee	20/06/1996	04/07/1996	Mentor

Short Term Training Programme	National	Fire and Explosion Risk Assessment in Industrial situation	Industrial Tribology Machine Dynamics and Maintenance Engineering Center (ITMMEC) and Department of Chemical Engineering, Indian Institute of Technology, New Delhi	17/05/1993	22/05/1993	Mentor
Short Term Training Programme	National	Industrial Management	Small Industries Service Institute (SISI), Department of Industry, Govt. of India, at Dhanbad	01/02/1989	29/02/1989	Organizer
Short Term Training Programme	National	Coastal Engineering	Ocean Engineering Center, Indian Institute of Technology, Madras	11/12/1989	22/12/1989	Mentor
74th Annual Session of the Indian Institute of Chemical Engineers and Seminar	National	Sustainable Utilisation of Resources for chemical & Mineral Sectors	IICChE Bhubaneswar Regional Centre and CSIR-Institute of Minerals and Materials Technology in association with Institute of Chemical Technology-Indian Oil Odisha Campus, Bhubaneswar	26/12/2021	30/12/2021	Mentor
Webinar	National	Why a Manuscript is Rejected	Department of Chemical Engineering NIT Jalandhar	27/08/2020	27/08/2020	Organizer
Webinar	National	Heavy Crude Oil Production Technologies-Practical Approach	Department of Chemical Engineering NIT Jalandhar	08/08/2020	08/08/2020	Organizer
Workshop	National	Outcome Based Education and NBA Accreditation	NIT Jalandhar	18/01/2020	19/01/2020	Organizer
Workshop	National	Good Governance	State Project Implementation Unit-UP under TEQIP-III at Lucknow	01/02/2019	01/02/2019	Mentor

Conference	International	International Conference on Skilling for Self Employment	Colombo Plan Staff College (CPSC) Philippines and NITTTR at Chandigarh	21/02/2019	22/02/2019	Mentor
Workshop	National	Outcome Based Accreditation	National Project Implementation Unit (NPIU) under Ministry of Human Resource Development Govt. of India New Delhi at ABVGIT Pragatinagar, Shimla	09/03/2018	10/03/2018	Mentor
Training and Placement Conclave	International	International Training and Placement Conclave (MILAN – 2017)	National Institute of Technology, Hamirpur	14/04/2017	15/04/2017	Organizer
Workshop	National	Smart India Hackathon 2017	All India Council for Technical Education (AICTE) under the aegis of Ministry of Human Resource Development, Govt. of India in association with Inter-Institutional Inclusive Innovation Center (i4c) and Persistent Systems at NITTTR Chandigarh	03/01/2017	03/01/2017	Mentor
Indian Chemical Engineering Congress (CHEMCON 2016)	National	69th Annual Session of the Indian Institute of Chemical Engineers and International	IICChE Chennai Regional Centre in association with Anna University, IIT Madras, CLRI, and FICCI New Delhi at Chennai	27/12/2016	30/12/2016	Mentor
Workshop	National	Outcome Based Education and Accreditation	National Board of Accreditation, New Delhi and NITTTR Chandigarh	17/09/2016	17/09/2016	Mentor
Workshop	National	Skill Development for Young Engineers to Reform Core Sector Vision 2025	The Institution of Engineers (India), Ludhiana Local Centre, Ludhiana	15/09/2016	15/09/2016	Mentor
Workshop	National	Choice Based Credit system-Issues and Challenges	Himachal Pradesh Technical University, Hamirpur	14/09/2016	14/09/2016	Mentor

Workshop	National	Advances in Petroleum and Petrochemicals	Department of Chemical Engineering University of Petroleum and Energy Studies in association with IChE UPES Student Chapter at Dehradun	16/04/2016	16/04/2016	Mentor
45th ISTE Annual National Convention and International Conference	National	Challenges and Opportunities in Technical Education in the Era of Sustainable Development	HVPM's College of Engineering and Technology, Amravati Maharashtra	09/01/2016	11/01/2016	Mentor
Indian Chemical Engineering Congress (CHEMCON 2015)	National	68th Annual Session of the Indian Institute of Chemical Engineers and International Symposium on "Enabling Process Innovation through Computation (EPIC)" & Indo-US Joint Symposium on Carbon Capture, Sequestration, Utilization and other Frontiers (CCSUF) organized by Guwahati Regional Centre Indian Institute of Chemical Engineers in Collaboration	Department of Chemical Engineering Indian Institute of Technology, Guwahati	27/12/2015	30/12/2015	Mentor
Indian Chemical Engineering Congress (CHEMCON 2014)	National	67th Annual Session of the Indian Institute of Chemical Engineers and International Conference on "Chemical Engineering - Emerging Dimensions and Challenges Ahead" & Indo Japanese Symposium on "Separation Technology For Green Environment"	Chandigarh Regional Centre Indian Institute of Chemical Engineers in Collaboration with Dr. SSB University Institute of Chemical Engineering & Technology, Punjab University, Chandigarh	27/12/2014	30/12/2014	Mentor
44th Annual National Convention of the ISTE	National	Shaping Technical Education to meet the Challenges beyond 2020	College of Engineering, Trivandrum	27/11/2014	29/11/2014	Mentor

Workshop	National	Inter NIT Interaction	Visvesvaraya National Institute of Technology, Nagpur	13/10/2014	14/10/2014	Mentor
17th ISTE Students National Annual Convention-2014 and National Seminar	National	Sustainable Development through Innovative Technologies	VVP Engineering College, Rajkot-Gujarat	10/10/2014	11/10/2014	Mentor
2nd World Summit on Accreditation (WOSA 2012)	National	International Recognition of Educational Qualifications	National Board of Accreditation at New Delhi	08/03/2014	10/03/2014	Mentor
Workshop	National	Design of Refinery Distillation Columns	Petroleum Federation of India and Lovraj Kumar Memorial Trust (LKMT) in association with Engineers India Ltd (EIL), Indian Oil Corporation Ltd (R&D Division) and Petroleum Conservation Research Association (PCRA) at Indian Oil Institute of Petroleum Management, Gurgaon	23/10/2013	24/10/2013	Mentor
Workshop	National	NBA Accreditation Awareness	National Institute of Technology Karnataka, Surathkal supported by Technical Education Quality Improvement Programme (TEQIP-II)	05/08/2013	05/08/2013	Mentor

Workshop	National	Quality Assurance and Accreditation	Ministry of Human Resource Development Govt. of India, UK-India Education and Research Initiative (UKIERI), and National Board of Accreditation at New Delhi	12/05/2013	13/05/2013	Mentor
Workshop	National	Personality and Skill Development	under TEQIP – II at NIT Jalandhar	03/03/2013	03/03/2013	Mentor
Awareness Programmes	National	National Mission on Education through Information and Communication Technology (NMEICT)	Dr. B R Ambedkar National Institute of Technology, Jalandhar	19/10/2012	20/10/2012	Organizer
10th International Oil and Gas Conference and Exhibition 'Petrotech-2012'	National	Hydrocarbon and Beyond: Changing Landscape	Petro tech Society New Delhi at India Habitat Centre	15/10/2016	16/10/2012	Mentor
3rd Bhartia Vigyan Sammelan and Expo	National	Science for Global Development	Vijnana Bharati, PTU, LPU and Punjab State Council for Science and Technology at LPU Campus, Jalandhar	11/10/2014	14/10/2014	Mentor
1st World Summit on Accreditation (WOSA 2012)	National	Achieving Excellence through Accreditation	National Board of Accreditation at New Delhi	25/03/2012	28/03/2012	Mentor
41st Annual National Convention of Indian Society for Technical Education and National Seminar	National	The Role and Relevance of Regulatory Bodies in Higher Education	Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab	16/12/2011	18/12/2011	Mentor
Conference	National	Universities of India and Global Higher Education Summit and Launch of University – Industry Congress	Association of Indian University and confederation of Indian Industry at Mahabalipuram, Tamil Nadu	12/03/2011	12/03/2011	Mentor

Workshop	National	Impact of Natural Gas on Process Industry - Refineries, Petrochemicals and Fertilizers	Engineers India Ltd. and Petrotech Society at India Habitat Centre New Delhi	24/11/2010	25/11/2010	Mentor
Indian Chemical Engineering Congress(CHEMCON 2009)	National	the 62nd Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Role Chemical Engineers in Pharma Industry”	Indian Institute of Chemical Engineers Waltair Regional Centre in Collaboration with Department of Chemical Engineering, Andhra University, Visakhapatnam	27/12/2009	30/12/2009	Mentor
Indian Chemical Engineering Congress (CHEMCON 2009)	National	the 62nd Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Role Chemical Engineers in Pharma Industry”	Indian Institute of Chemical Engineers Waltair Regional Centre in Collaboration with Department of Chemical Engineering, Andhra University, Visakhapatnam	27/12/2009	30/12/2009	Mentor
Indian Chemical Engineering Congress (CHEMCON 2008)	National	the 61st Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Green Technology and Sustainable Development”	Indian Institute of Chemical Engineers Chandigarh Regional Centre in Collaboration with Department of Chemical Engineering and Technology, Panjab University, Chandigarh	27/12/2008	30/12/2008	Mentor
Workshop	International	Change Management to Promote Teaching and Learning	Asian Institute of Technology, Bangkok, Thailand	06/04/2008	07/04/2008	Mentor
Indian Chemical Engineering Congress (CHEMCON 2007),	National	the 60th Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Emergence of Indian Chemical Industry as a Global Giant: Vision 2020”	Indian Institute of Chemical Engineers Calcutta Regional Centre at Heritage Institute of Technology Calcutta	27/12/2007	30/12/2007	Mentor
Workshop	National	Gasification of Petroleum Residues and Coal” organized Seminar on “R & D – Round Table Conference”	Petrotech Society at Hotel Le-Meridien New Delhi	20/03/2007	20/03/2007	Mentor

Seminar	National	Industry Interface	PETROTECH society on behalf of the oil industry, held at Indian National Science Academy, New Delhi	17/09/2004	18/09/2004	Mentor
Workshop	National	“Energy Management and Conservation in Hydrocarbon Industry	Lovraj Kumar Memorial Trust and Indian Institute of Chemical Engineers (NRC) at India Habitat Centre, New Delhi	11/11/2003	12/11/2003	Mentor
32nd Annual Convention of ISTE and National Seminar	National	Role of Technical Education for Sustainable Development	NMAM Institute of Technology Nitte, Karnataka	27/12/2002	29/12/2002	Mentor
Fifth National Annual Students Convention of ISTE and National Seminar	National	Social Responsibility of Technical Institutes in Rural Development	Sant Longowal Institute of Engineering and Technology, Longowal, Punjab	03/10/2002	04/10/2002	Mentor
Seminar	National	Recent Advances in Environmental Science & Technology (RAEST-2002)	SLIET Longowal	04/10/2002	04/10/2002	Mentor
Workshop	National	Solvent Extraction	Department of Chemical Engineering, Indian Institute of Technology, Roorkee	09/03/2002	10/03/2002	Mentor
Seminar	National	Impact of WTO on Agriculture Engineering Perspective	The Institution of Engineers (India), Ludhiana Local Centre at IEI Ludhiana	13/05/2001	13/05/2001	Mentor
Fourth Annual Students Convention of ISTE and National Seminar	National	Harnessing Human Resources for the Development of India – Problems, Challenges & Opportunities	Kongu Engineering College, Perundurai, Erode, Tamilnadu	28/07/2001	29/07/2001	Mentor

31st Annual Convention of ISTE and National Seminar	National	Integrating Human values in Technical Education”	Kalinga Institute of Industrial Technology, Bhubaneswar	27/12/2001	29/12/2001	Mentor
30th Annual Convention of ISTE and National Seminar	National	Shaping Technical Education for the Future	Nirma Institute of Technology, Ahmedabad	14/12/2000	16/12/2000	Mentor
Workshop	National	Role of Chemical Engineering in the Semiconductor Industry	Department of Chemical Engineering & Technology, Punjab University, Chandigarh, Department of Science & Technology U.T Administration and Indian Society for Technical Education, P.U Chandigarh Chapter	28/04/2001	28/04/2001	Mentor
Seminar	National	Standardization, Product Certification and Quality Systems	Bureau of Indian Standards and Dr. B.R. Ambedkar Regional Engg. College, Jalandhar at REC Jalandhar	20/09/2000	21/09/2000	Organizer
Workshop	National	Accreditation	National Board of Accreditation of All India Council for Technical Education, New Delhi & Dr. B.R. Ambedkar Regional Engineering College, Jalandhar	27/08/2000	27/08/2000	Organizer
Seminar	National	Prospects of Technical Education	Directorate of Technical Education Govt. of Goa	10/06/2000	10/06/2000	Mentor
Seminar	National	Quality Management in Small & Medium Enterprises	REC, Jalandhar and CII (Northern Region) at REC, Jalandhar	10/02/1999	10/02/1999	Organizer
Workshop	National	Special Application of Commodity Polymers & their Relevance in Chemical Industries	REC Jalandhar	04/1998	04/1998	Organizer

Congress	National	Management of Congress Grass (Parthenium Hysterophorus through Vermiculture Biotechnology	REC, Jalandhar	27/04/1999	27/04/1999	Organizer
Indian Chemical Engineering Congress (CHEMCON 99)	National	the 52nd Annual Session of the Indian Institute of Chemical Engineers and National Seminar on "Chemical Engineering and Sustainable Development organized	Indian Institute of Chemical Engineers (Chandigarh Regional Centre) in Collaboration with Department of Chemical Engineering & Technology, Punjab University, Chandigarh	20/12/1999	23/12/1999	Mentor
29th Annual Convention of ISTE and National Seminar	National	Management of Technical Education in the 21st Century	Kongu Engineering College Perundurai, Erode (Tamil Nadu)	10/12/1999	12/12/1999	Mentor
Workshop	National	Lube Extraction Technology	Indian Institute of Petroleum, Dehradun in collaboration with Center for High Technology, New Delhi	26/07/1999	28/07/1999	Mentor
Workshop	National	Computer Applications in Chemical Engineering	the Department of Chemical Engineering, Indian Institute of Technology Delhi	27/04/1999	27/04/1999	Mentor
28th Annual Convention of ISTE and National Seminar	National	Environment & Development	Punjab Agriculture University, Ludhiana	21/11/1998	23/11/1998	Mentor
Seminar	National	Technical Education in 21st Century	Dr. B.R. Ambedkar Regional Engineering College, Jalandhar	28/05/1998	28/05/1998	Organizer
26th Annual Convention of Indian Society for Technical Education and National Seminar	National	Technical Education: Prescription, Assessment and Control of Quality and Development Policy	Malviya Regional Engineering College, Jaipur	04/01/1997	06/01/1997	Mentor

Seminar	National	Recent Trends in Rubber Technology & Products	REC Jalandhar	03/1997	03/1997	Organizer
27th Annual Convention of Indian Society for Technical Education and National Seminar	National	Global Interconnectivity for Technical Education in India	Maulana Azad College of Technology, Bhopal	19/12/1997	21/12/1997	Mentor
25th Annual Convention of Indian Society for Technical Education and National Seminar	National	Privatization of Technical Education and its Implications	Visvesvaraya Regional College of Engineering Nagpur	28/12/1995	30/12/1995	Mentor
Seminar	International	Surfactant for Nineties & Beyond	Indian Institute of Chemical Engineers (Northern Regional Center) & Department of Chemical Engineering, Indian Institute of Technology, New Delhi	03/11/1995	04/11/1995	Mentor
Seminar	National	Simulation and Optimization of Process Plants	Department of Chemical Engineering, Indian Institute of Technology, New Delhi organized by Indian Institute of Chemical Engineers (North Regional Center), New Delhi	26/02/1993	27/02/1993	Mentor
Workshop	National	Geotextile Application in Civil Engineering	Punjab State Council for Science & Technology, Chandigarh	08/01/1993	08/01/1993	Mentor
Seminar	International	Automation & Control System for Process Industries	Indian Institute of Chemical Engineers, North Regional Center, New Delhi	20/11/1992	21/11/1992	Mentor
Celebration of National Science Day	National	Punjab State Council for Science & Technology, Chandigarh	Punjab State Council for Science & Technology, Chandigarh	11/03/2000	11/03/2000	Organizer

Induction Training for Teachers	National	Indian Society for Technical Education, New Delhi	Indian Society for Technical Education, New Delhi	10/03/1997	14/03/1997	Organizer
Workshop	National	Celebration of National Science Day	Punjab State Council for Science & Technology, Chandigarh	11/03/2000	11/03/2000	Organiser
Short Term Training Programme	National	Induction Training for Teachers	Indian Society for Technical Education, New Delhi	10/03/1997	14/03/1997	Organiser
Workshop	National	Celebration of National Science Day	Punjab State Council for Science & Technology, Chandigarh	11/03/2000	11/03/2000	Organiser
Short Term Training Programme	National	Induction Training for Teachers	Indian Society for Technical Education, New Delhi	10/03/1997	14/03/1997	Organiser
Workshop	National	AIU North Zone Vice Chancellors Meet	Babasaheb Bhimrao Ambedkar University under the aegis of Association of Indian Universities at Lucknow	12/12/2013	13/12/2013	Organiser
Workshop	National	Disposal of Appeal under Right to Information	Institute of Secretariat Training and Management Govt. of India Ministry of Personnel, Public Grievances & Pensions Department of Personnel and Training.			Organiser
Meeting	National	Role of Technical Affiliating Universities in improving the quality of technical education with a focus on Engineering education	planning commission and Ministry of HRD at Yojana Bhavan New Delhi	30/10/2012	30/10/2012	Mentor
Workshop	National	Outcome Based Accreditation Process & Parameters for Evaluators/ Stakeholders	National Board of Accreditation New Delhi at Sri Sukhmani Institute of Engineering & Technology, Derabassi	28/10/2012	28/10/2012	Mentor

Workshop	National	Outcome Based Accreditation Process and Parameters	National Board of Accreditation at Delhi Technological University, Delhi	21/09/2012	22/09/2012	Mentor
Workshop	National	Oil & Gas Investments in Iraq and the Middle East: Implications for India	PFC Energy and Petrofed New Delhi	14/06/2010	14/06/2014	Mentor
Online Short Term Training Programme	National	Physical properties test methods, prediction and blending characteristics of petroleum products	School of Petroleum Products and Application, Mumbai	04/03/2010	06/03/2010	Mentor
Workshop	National	Outcome Based Accreditation Process & Parameters for Evaluators/ Stakeholders	National Board of Accreditation New Delhi at Sri Sukhmani Institute of Engineering & Technology, Derabassi	28/10/2012	28/10/2012	Mentor
Workshop	National	Outcome Based Accreditation Process and Parameters	National Board of Accreditation at Delhi Technological University, Delhi	21/09/2012	22/09/20112	Mentor
Workshop	National	Oil & Gas Investments in Iraq and the Middle East : Implications for India	PFC Energy and Petrofed New Delhi	14/06/2010	04/06/2010	Mentor
Workshop	National	Physical properties test methods, prediction and blending characteristics of petroleum products	School of Petroleum Products and Application, Mumbai	06/03/2010	06/03/2010	Mentor
Workshop	National	Academia Industry Interface – Petrotech 2009 on Energy Independence with Global Cooperation: Challenges and Solutions	Petrotech Society New Delhi at India Habitat Centre New Delhi	13/01/2009	14/01/2009	Mentor
Workshop	National	Brainstorming and Industry – Academia Interaction on Developing Talent to Sustain oil & Gas Industry in India	Ministry of Petroleum & Natural Gas Government of India at Hotel Ashoka New Delhi	17/10/2008	17/10/2008	Mentor
Workshop	National	Chief Minister's Conclave on North Indian Common Economy (NICE)	PHD Chamber of Commerce and Industry at PGI Auditorium Chandigarh	28/09/2006	28/09/2006	Mentor

Delivered expert lecture	National	Understanding the Dynamics of Accreditation Process	Industry Requirements at Chandigarh Business School of Administration (CBSA), Landran	05/07/2021	06/07/2021	Organiser
Delivered expert lecture	National	Environmental Management in Hydrocarbon Industry	Department of Chemical Engineering Beant College of Engineering & Technology, Gurdaspur	01/03/2021	06/03/2021	Organiser
Delivered invited lecture	National	Environment Management in Petroleum Industry	UGC-Human Resource Development Centre, Guru Nanak Dev University, Amritsar	27/11/2020	27/11/2020	Mentor
Online Short Term Training Programme	National	Advanced Research Trends in Chemical Engineering	Department of Chemical Engineering National Institute of Technology, Hamirpur	28/10/2020	01/11/2020	Organiser
Delivered invited lecture	National	Overview of Petroleum Industry	Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Pragatinagar	06/03/2020	06/03/2020	Organiser
Meeting	National	Interacted with all the faculty members and Research Scholars	Department of Chemical Engineering National Institute of Technology, Srinagar to expedite the activities of IChE Student Chapter and further to start Regional Centre	30/12/2019	30/12/2019	Organiser
Conference	International	Recent Advances in Fundamental and Applied Sciences (RAFAS 2019)	School of Chemical Engineering and Physical Sciences, Lovely Faculty of Technology and Sciences, Lovely Professional University, Punjab	06/11/2019	06/11/2019	Organiser

Conference	National	Vision of Management and Research Activities in Bioenergy	Recent Trends in Chemical Sciences & Engineering (RTCSE-2017) at Department of Chemical Engineering National Institute of Technology, Hamirpur	13/10/2017	13/10/2017	Mentor
Delivered expert lecture	National	Petroleum and Petrochemical Processing	Department of Chemical Engineering National Institute of Technology, Agartala	14/02/2017	14/02/2017	Organiser
Short Term Training Programme	National	Recent Advances in Energy Sources and Environment Protection	Department of Chemical Engineering Deenbandhu Chhotu Ram University of Science and Technology, Murthal Sonipat	06/02/2017	06/02/2017	Mentor
Workshop	National	Academia and Industry: The Road Ahead	Department of Chemical Engineering National Institute of Technology, Hamirpur	21/10/2016	21/10/2016	Mentor
Workshop	National	Overview of Petroleum Industry	Faculty, Research Scholars and Students of Chemical Engineering at National Institute of Technology, Srinagar	18/03/2016	18/03/2016	Mentor
Workshop	National	Application of Chemical Engineering in Alternative Sources of Energy	IChE Doaba Regional Centre and Shaheed Bhagat Singh State Technical Campus at Ferozepur	30/10/2015	30/10/2015	Mentor
Workshop	National	Application of Chemical Engineering in Alternative Sources of Energy	IChE Doaba Regional Centre and Shaheed Bhagat Singh State Technical Campus at Ferozepur	30/10/2015	30/10/2015	Mentor

Delivered expert lecture	National	Futuristic role of Engineering Education	National Institute of Technology, Hamirpur	30/09/2015	30/09/2015	Organiser
Delivered expert lecture	National	Role of Indian Institute of Chemical Engineers towards growth of Chemical Engineering Students	Department of Chemical Engineering Saheed Bhagat Singh Technical Campus, Ferozepur	30/08/2014	30/08/2014	Organiser
Delivered an Inaugural address	National	Recent Trends in Chemical and Environmental Sciences (RTCES-2014)	Arni University, Kangra, H.P	27/02/2014	27/02/2014	Mentor
Delivered expert lecture	National	An Overview of Petroleum Industry	Department of Chemical Engineering, Beant College of Engineering and Technology, Gurdaspur under TEQIP	26/02/2014	26/02/2014	Mentor
Delivered expert lecture	National	Contemporary Research and Practices in Pollutant Elimination Systems towards Cleaner Environment	Sri Venkateshwara College of Engineering, Sriperumbudur Tamilnadu	24/05/2013	24/05/2013	Mentor
Seminar	National	Petroleum Engineering Career Prospects: Growth and Challenges	Chandigarh University	04/05/2013	04/05/2013	Mentor
National Level ISTE Function "TECHNO-OPUS 2013	National	Quality Education in Engineering & Technology	Shaheed Bhagat Singh State Technical Campus Ferozepur	12/02/2013	12/02/2013	Mentor
1st Students (Women) Convention of ISTE Punjab, HP, J&K and Chandigarh section	National	Women Technocrats Connecting the World	Rayat Bahra College of Engineering & Nano Technology for Women at Hoshiarpur	28/09/2012	28/09/2012	Mentor
Delivered a lecture	National	Hindi Day/ Pakhwara celebration	Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala	09/27/2012	09/27/2012	Mentor
Acted as one-man Panelist	National	Career Counseling in Engineering Education	Manzil' Programme telecasted by Jalandhar Doordarshan, Jalandhar	12/07/2012	12/07/2012	Mentor

seminar	National	Environmental Issues in Technical Education	Rayat-Bahra College of Engineering and Nano Technology for Women, Hoshiarpur	03/03/2012	03/03/2012	Mentor
Delivered an Invited lecture	National	Algal Solution for Waste Treatment and Recovery	Department of Chemical Technology Sant Longowal Institute of Engineering and Technology, Longowal (Punjab)	09/12/2011	09/12/2011	Mentor
Delivered an Expert lecture	National	An Overview of Petroleum Industry	Department of Chemical Engineering Malviya National Institute of Technology Jaipur	05/04/2010	05/04/2010	Organiser
Delivered an expert lecture	National	Acidizing	University of Petroleum and Energy Studies, Gurgaon	01/11/2008	01/11/2008	Mentor
National seminar on Synergy in Mineral Sector for sustainable development (SMSSD)	National	Overview of petroleum industry	National Institute of Technology Karnataka Surathkal	04/10/2008	04/10/2008	Mentor
Delivered an expert lecture	National	Well Stimulation” and “Surfactant for Well Treatment”	University of Petroleum and Energy Studies, Gurgaon	23/08/2008	23/08/2008	Mentor
National Conference on Clean Technology and Cleaner Production	National	Alternate Energy An Review	Department of Chemical Engineering Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat (Haryana)	08/05/2008	09/05/2008	Mentor

National Biotechnology Conference – 2006: Current Trends and Future Perspectives	National	Biodiesel	Department of Biotechnology Indian Institute of Technology, Roorkee	03/09/2006	03/09/2006	Mentor
Delivered an expert lecture	National	Biodiesel	Maharashtra Institute of Technology, Pune	22/07/2006	22/07/2006	Mentor
Delivered expert lecture	National	Transestrification of Edible Oil	University of Petroleum and Energy Studies Dehradun	04/01/2006	04/01/2006	Mentor
Delivered expert lecture	National	Production of Biodiesel from Non Edible Oil	Birla Institute of Technology, Mesra Ranchi	10/01/2006	10/01/2006	Mentor
Delivered expert lecture	National	Fuel Quality and its Upgradation	Indian School of Mines, Dhanbad	13/01/2006	13/01/2006	Mentor
Delivered expert lecture	National	Vermi composting	PAHAL at Jalandhar and sponsored by Punjab State Council for Science and Technology, Chandigarh during celebration of World Environment Day	05/06/2005	05/06/2005	Mentor
AICTE/ISTE sponsored Short Term Training Programme	National	Training on Recent Trends in Educational Technology and its Management for Technical Teachers in India	Muzaffarpur Institute of Technology Muzaffarpur (Bihar)	16/20/2004	27/02/2004	Mentor
Delivered expert lecture	National	Fuel Quality and its Upgradation	Birla Institute of Technology Mesra, Ranchi	09/06/2003	21/06/2003	Mentor
Delivered expert lecture	National	Need for interdisciplinary Research in Technical Institutions	SLIET Longowal in Collaboration with Punjab Academy of Sciences	17/01/2002	17/01/2002	Mentor
Acted as Penalist	National	Impact of Pollution on Agriculture” in ‘Mera Pind Mera Khet’ Programme telecasted	Jalandhar Doordarshan, Jalandhar	31/10/2001	31/10/2001	Mentor

Delivered expert lecture	National	Environment Awareness	Officers and Employees of Indian Oil Corporation, Mathura Jalandhar Pipeline Terminal Jalandhar	05/06/2001	05/06/2001	Mentor
Delivered expert lecture	National	Status of Polymer Industry in India	Central Institute of Hand Tool, Jalandhar sponsored by Small Industries Development Bank of India	22/03/2000	25/03/2000	Mentor
Delivered expert lecture	National	Role of AICTE, DST, UGC, DBT, ISTE in Research and Development	Regional Engineering College, Jalandhar	01/03/2000	01/03/2000	Mentor
Delivered expert lecture	National	Prospect on Petroleum Industry in Next Millennium	Regional Engineering College, Jalandhar	28/12/1999	08/01/2001	Mentor
Delivered expert lecture	National	Upgradation and Fuel Quality	Indian Institute of Petroleum Dehradun	19/08/1999	19/08/1999	Mentor
Delivered expert lecture	National	Keep our Water Resources Clean	Govt. High School, Soofi Pind Jalandhar Cantt. The seminar was sponsored by Punjab State Council for Science & Technology, Chandigarh	01/08/1999	01/08/1999	Mentor
Delivered expert lecture	National	Fuel Quality and its Upgradation	Sant Longowal Institute of Engineering and Technology Longowal Sangrur	29/07/1999	29/07/1999	Mentor
Delivered expert lecture	National	Total Quality Management in Technical Education	REC, Jalandhar	26/02/1999	26/02/1999	Mentor
Address Summer Camp Invited by Guru Nanak Dev University, Amritsar	National	address the students in Summer Camps	University Holiday Home, Upper Bakrota.	26/05/1998	30/06/1998	Mentor
Address at Regional Seminar	National	Conservation and Plantation of Tress for Environmental Protection”	C.R. State College of Engineering Murthal, Sonapat	23/01/1998	23/01/1998	Mentor

Delivered expert lecture	National	Role of AICTE, DST, MHRD, ISTE in Technical Education	REC, Jalandhar	10/03/1997	14/03/1997	Mentor
Delivered expert lecture	National	Teachers as Counselors	REC, Jalandhar	09/01/1996	09/01/1996	Mentor
Delivered expert lecture	National	Technology Selection & Procurement	REC, Jalandhar	28/09/1994	28/09/1994	Mentor
Delivered expert lecture	National	New Technology in Offshore Mineral Exploitation	Institution of Engineers (India), Dhanbad local center, Dhanbad	02/08/1990	02/08/1990	Mentor
Delivered expert lecture	National	Role of AICTE & MIT in Technical Education	REC, Jalandhar	01/03/2001	01/03/2001	Mentor
Delivered expert lecture	National	Petroleum Refinery Overview	Department of Chemical Engineering NIT Jalandhar	09/11/2022	09/11/2022	Organiser
Invited Talk	National	Embarking on Professional Journey	Department of Chemical Engineering NIT Jalandhar	16/09/2022	16/09/2022	Organiser
Conference	International	“Environmental Pollution and Control Technologies EPACT-2022”	Department of Chemical Engineering under Faculty of Engineering and Technology Annamalai University	26/08/2022	27/08/2022	Organiser
Short Term Training Programme	National	Noting & Drafting	Center for Continuing Education at NIT Jalandhar	20/12/2021	20/12/2021	Mentor
Short Term Course	National	Nanomaterials and Their Green Applications through ICT” by Applied Science	Department in National Institute of Technical Teachers Training and Research, Chandigarh at Shaheed Bhagat Singh State University, Firozpur (Punjab)	28/03/2022	01/04/2022	Mentor

Delivered expert lecture	National	Development of Improved Process for Trans-esterification of Vegetable Oil	“Sustainability in chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry” and 75th Annual session of Indian Institute of Chemical Engineers held at Harcourt Butler technical University Kanpur	27/12/2022	30/12/2022	Mentor
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Professional Affiliations :

Designation	Organization
President-2021	Indian Institute of Chemical Engineers
Honorary Treasurer	of Indian Institute of Chemical Engineers during 72nd Annual Session of Indian Institute of Chemical Engineers (CHEMCON- 2019) held at Indian Institute of Technology, Delhi for the period January 01, 2020 to December 31, 2020 on December 18, 2019.
National Executive Council Member	Northern Region of Indian Institute of Chemical Engineers Kolkatta for the period January 01, 2020 to December 31, 2022 on October 01, 2019.
National Vice President	Indian Institute of Chemical Engineers Kolkata for the period January-December, 2014.
Corporate Member in the committee	Chemical Engineering Division of Punjab and Chandigarh State Centre the Institutions of Engineers (India) for the session 2013-14 and 2014-15,2018-19, 2022-2023
Executive Council Member	Northern Zone Indian Institute of Chemical Engineers, Kolkata for the period 2008-2010 and 2014-2016.
Organizing Secretary	Indian Chemical Engineering Congress CHEMCON -2012
Executive Council Member	ISTE National Executive Council (2012-2014).
Fellow	International Congress of Environmental Research from 2011
Honorary Controller of Examination	Indian Institute of Chemical Engineers Kolkata for the year January 1, 2010 to December 31, 2010.
Honorary Registrar	Indian Institute of Chemical Engineers Kolkata for the term January 1, 2009 to December 31, 2009.
Secretary	Indian Society for Technical Education Punjab, H.P, J&K and Chandigarh Section during 2003-2012.
Chairman	Indian Institute of Chemical Engineers Doaba Regional Centre Jalandhar, during 2003 – 2012
President	Faculty Club Regional Engineering College Jalandhar for the year 2002
Executive Committee member	Institution of Engineers (India) Ludhiana Local Centre, Ludhiana for the session 2000-2002 and 2008-2010.
Executive Council Member	ISTE National Executive Council (1999-2000).
Faculty Advisor	Indian Society for Technical Education Students Chapter, REC, Jalandhar.
Member	Section Managing Committee of ISTE representing Punjab, H.P., Chandigarh and J&K (1997-98, 1999-2000) for two terms
Secretary Cum Treasurer	ISTE – REC Jalandhar Chapter (1995-97, 1997-99) for two terms.
Life Fellow	Indian Institute of Chemical Engineers (LF 09764)
Fellows	Institution of Engineers (F 108502-2)
Life Member	Indian Society for Technical Education (LM 10514)
Life Fellow	Indian Council of Chemist (LF/1758)

Life Member	Punjab Academy of Sciences (L-1421)
Life Member	Indian Desalination Association (LM-529)
Life Fellow	Indian Chemical Society (LF-8252)
Chartered Engineer (India)	Institutions of Engineers (M115878/8).

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Navneet Sood	Studies on LDPE-TPR-EVA Blends for Yoga Mat	completed	2022	Dr. Shailendra Bajpai
Akash Deep	Biomass derived Electro- Catalyst for Energy Application: Synthesis and Characterization	In Progress	2021	Dr. A K Sarma
Gajera Bhautik V	Hydrogen Extraction from Syngas using Metallic membrane reactor for fuel cell application	In Progress	2021	Dr. A K Sarma
Nisha Yadav	Upgradation of Biogas to BioCNG	In Progress	2021	Dr. Sachin Kumar
Rakesh Godara	Design, Development and Experimental Investigation of Hybrid Biogas Digester	In Progress	2021	Dr. Nikhil Gakkhar
Hrishikesh Kumar	Waste Water Treatment	In Progress	2021	Dr. N K Srivastava Associate Professor
Navneet Sood	Studies on LDPE-TPR-EVA Blends for Yoga Mat	completed	2020	Dr. Shailendra Bajpai
Jaspreet Kaur	Value added chemical production from the by products of the biodiesel industry	completed	2020	Dr. Poonam Gera
Vijay Sodhi	Studies on Hybrid System for Minimizing Excess Sludge from Biological Treatment of Tannery Effluent	completed	2019	Dr. Ajay Bansal
Ravneet Kaur	Biomass Conversion and Utilisation	Completed	2019	Dr. Poonam Gera
Kashish Mehta	Utilisation of heterogeneous catalyst for biodiesel production and its application in CI Engine	completed	2019	Dr. Neetu Divya
Kanwar Pal Singh	Thermo chemical Conversion of Biomass	Completed	2018	Dr. Poonam Gera
N K Srivastava	Biological Treatment of Chromium from Industrial Waste Water	Completed	2016	Dr. T R Sreekrishnan
Barjinder Bhalla	Study of Industrial By Products as Permeable Reactive Barriers for Landfill leachate Management	Completed	2016	Dr. M S Saini
Ekonkar Singh Johal	Study of Effluents, its treatment and design of Anaerobic Digester for Jalandhar Municipal Waste	Completed	2016	Dr. M S Saini
Neetu Singh	Biodiesel Production by Enzymatic Transesterification and its application in CI Engines	Completed	2016	Dr. A K Sarma
Manoj Kumar Jindal	Catalytic hydrothermal conversion of sawdust to bio-oil	completed	2016	
Navneet Sood	Studies on LDPE – TPR-EVA Blends for Yoga Mat	completed	2016	Dr. Shailendra Bajpai
Prashant Kumar	Process optimization of biodiesel production using hybrid heterogeneous catalyst	Completed	2015	Dr. Ajay Bansal
Shailendra Bajpai	Chromium (VI) removal from Aqueous streams using low cost adsorbent, weakly anionic resins and Nano filtration process-A comparative study	Completed	2014	Dr. S K Gupta
Jagdish Naik	Study on application of steam and horizontal well technology to improve heavy oil recovery	Completed	2014	Dr. Pushpa Jha

Shailendra Kumar Singh	Biosorption of Heavy metals using Chlorella Minutissima	Completed	2013	Dr. A Dey
Rajesh Sharma	Development of Mesoporous titania-silica catalysts for hydroprocessing of petroleum fractions and biomass	Completed	2013	Dr. A K Sinha
Tarun Kumar Roy	Numerical Predication of Oil Dispersion in the Coastal & Ocean Region	Completed	2012	Dr. J S Mani
Poonam Chadha	Development of Improved Process for Transesterification of vegetable oil	Completed	2012	V P Singh
Varsha	Studies on the Biological Sulfide Removal from Aqueous Samples	Completed	2011	Dr. Apurba Dey
Vidushi Shukla	Studies on the Kinetics of Bacterial Adherence on Textile Fabrics	Completed	2011	Dr. S Ghosh
Ms. Varsha	Studies on the Biological Sulfide Removal from Aqueous Samples	completed	2011	Dr. Apurba Dey NIT, Durgapur
Ms Vidushi Shukla	Studies on the Kinetics of Bacterial Adherence on Textile Fabrics	completed	2011	Dr. S Ghosh NIT, Jalandhar Dr. Apurba Dey, NIT Durgapur
Gopal Krishan Sharma	Study on Re-Refining of Used Lubricating Oils	Completed	2010	
Anil Kumar	Modelling and Simulation of Hydraulic Fracturing	Completed	2010	Dr. S K Puri
Mr Gopal Krishan Sharma	Study on Re-Refining of Used Lubricating Oils	completed	2010	
Ram Bilash Choudhary	Studies in Composite Tribochemical Films and Action Mechanism of Antiwear Additives	Completed	2006	Dr. M R Tyagi
Ashok Kumar	Solid Liquid Batch extraction of Hyperforin from hypericum perforatum L.-An Experimental Study & Process Optimization			Dr. V K Koul
Navneet Sood	Stuides on LDPE – TPR-EVA Blends for Yoga Mat	completed		Dr. Shailendra Bajpai

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Poonam Kamlekar	Design and Development of Inline Biomethane Enrichment and CO ₂ Separation System	under progress	2023	Dr. Krishnendu Kundu Senior Principal Scientist. Department Centre of Excellance for Farm Machinery
Rajib Nandi	Impact of KOH on rice husk biochar for carbon capturing with high selectivity	Completed	2022	Dr. Shashikant Yadav Assistant Professor Department of Chemical Engineering, NIT, Jalandhar
Mainak Gayen	Methyl orange adsorption using zinc chloride activated biochar	completed	2021	Dr. Thallada Bhaskar Head MRED, CSIR-IIP, Dehradun
Virendra Kumar	Heterogeneous catalyst synthesis for the production of Methanol and DME	completed	2017	
Devashish Pathak	Catalyst Evaluation studies on High pressure micro reactor for fuel production	completed	2016	Dr. N Bishawanadham IIP,Dehradun

Jaspreet Kaur	Downstream Processing of Crude Glycerol into Value Added Products	completed	2015	Dr. A K Sarma Scientist D, SSS-NIRE Kapurthala
Ravneet Kaur	Study on Pyrolysis Kinetics of Waste Wood Biomass, Coal and Their Blend Using Thermogravimetric Analysis TGA)	completed	2014	Mr. Manoj Kumar Jindal Government Polytechnic College for Girls, Jalandhar
Hemant Kumar	Study on Biosorption of Auramine-O Using Renewable and Biodegradable Low Cost Biosorbent Spirogyra Species	completed	2014	
Rinku Sharma	Preparation & Characterization of Propylene/ Natural Fibre Based Nanocomposite	completed	2014	
Aditya Kumar Rastogi	Study of combustion and pyrolysis behaviour of waste biomass generating from biodiesel industries	completed	2013	Dr. A K Sarma Scientist D, SSS-NIRE Kapurthala
Maqsood Azam	Biosorption of Hexavalent chromium Cr (VI) from synthetic wastewater using E.coli MTCC2692	completed	2013	
Neetu Singh	Thermo Analytical Study of Biodiesel	completed	2012	Dr. A K Sharma SSS-NIRE, Kapurthala
Navneet Sood	Leachate Treatment by using Naturla Adsorbents	completed	2011	Dr. Rajeev Garg SBSCET, Ferozepur
Bhola Nath Mishra	Designing and Optimisation of Multi component Distillation Column	completed	2011	
Paritosh Agnihotri	Hydro processing of Jatropha Oil to produce Green Fuels	completed	2011	
Prashant Kumar	Study on Effects of Polymer & Crumb Rubber on Properties of Bitumen.	completed	2010	Dr. P. Senthivel, Manager R&D, BPCL Corporate R&D Centre, Greater Noida.
Rahul Jain	Screening of Algae for Biodiesel and other Application	completed	2010	
Ashok Kumar	Solid Liquid Batch extraction of Hyperforin from hypericum perforatum L.-An Experimental Study & Process Optimization	completed	2009	Dr. V K Koul IIIM Jammu
Sandeep Kaur	Impact of Filler (Fly Ash) on Properties of Polypropylene	completed	2009	
Praveen Kumar	Synthesis of solid catalysts and applications for Biodiesel production	completed	2009	
Rajat Setia	Process Optimization of Biodiesel Production from Mahua oil using acidic pre-treatment	completed	2009	
Nitin Verma	Study of Properties of the Blend of Polypropylene and Rice Husk	completed	2008	
Navneet Kumar Kushwaha	Replacement of virgin rubber with high tensile reclaimed rubber	completed	2008	Dr. S N Chakravarty MD, KPS Consultants New Delhi
Vipan Kumar	Kinetic Study on Transesterification of Jatropha Curcus Oil with Butanol	completed	2006	Dr. A K Gupta, IIP Dehradun
Neetu Singh	Thermo Analytical Study of Biodiesel			Dr. A K Sharma SSS-NIRE, Kapurthala

Admin. Responsibilities :

Position Held	Organization	From	To
Head Centre for Energy and Environment	Centre for Energy and Environment	03-07-2020	Continued
Director cum Principal	Atal Bihari Vajpayee Govt. Institute of Engineering and Technology Shimla	02-07-2016	29-08-2019
Coordinate Technical Event	NIT Jalandhar	12-04-2016	01-07-2016
Member Board of Governors	NIT Jalandhar	17-04-2014	19-04-2016
Head of Department Chemical	NIT Jalandhar	05-09-2014	20-10-2014
Editor in Chief Newsletter editorial Board	NIT Jalandhar	05-09-2014	05-01-2015
Chairman Administrative Affairs	NIT Jalandhar	05-09-2014	05-01-2015
Chairman Vigilance Committee	NIT Jalandhar	05-09-2014	05-01-2015
Nodal Officer Finance TEQIP-II	NIT Jalandhar	31-05-2013	15-11-2013
Member Accreditation Team	NIT Jalandhar	01-09-2013	04-09-2014
Chairman on Committee on Media Communication and PRO	NIT Jalandhar	01-09-2013	04-01-2015
Dean Academics	NIT Jalandhar	09-10-2013	09-12-2014
Head of Department Training and Placement	NIT Jalandhar	04-09-2013	10-10-2013
Appellate Authority	NIT Jalandhar	14-03-2014	04-01-2015
Head of Department Leather Technology	NIT Jalandhar	03-02-2005	27-09-2016
Chairman House Allotment committee	NIT Jalandhar	25-07-2005	Dec-2007
Member Senate Committee on Discipline	NIT Jalandhar	25-07-2005	Dec-2007
Faculty Advisor Liaison with AICTE/UGC/ISTE etc.	NIT Jalandhar	25-07-2005	2006
Head of Department Chemical	NIT Jalandhar	28-02-1998	04-09-2010
Head of Department Chemical	NIT Jalandhar	29-11-1994	26-09-1996
Dean Students and Alumni	BOG,NIT Jalandhar Society	1-2-2005	31-8-2007

Award and Honours :

Title	Activity	Given by	Year
Best Teacher	Annual Section Convention at Chitkara University	Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh	2021
Best Teacher	17th Annual Convocation of the Institute	NIT Jalandhar	2021
Best Teacher	Annual Section Convention at Chandigarh University	Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh	2020
ICONIC Educationist Award	Best Educational Development & Services	The Glorious organization for accelerated to Literacy, Delhi	2020
Life Time Achievement Award 2019	Conferred	Indian Institute of Chemical Engineers DRC	2019
Chemcon Distinguished Invited Speaker Award 2018	Honored	Indian Institute of Chemical Engineers Kolkata	2018
Best Teacher	Awarded	Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh	2013

Shiksha Bharti Puraskar	Honored	All India Achievers Foundation Delhi	2011
Who's Who in the World	Listed	25th Edition Marquis Who's Who, New Providence NJ U.S.A. 07974 – 0005.	2008
2000 outstanding Intellectuals	Listed	21st Century International Biographical Centre, Cambridge England.	2007
Visiting Professor	specialized area of Petroleum Refining & Petrochemical Technology	Indian Society for Technical Education New Delhi	2005
Jharkhand Ratna Award	outstanding contribution and creditable performance in the field of Bio Engineering	Lok Sewa Samiti Ranchi	2005
Management Excellence Award	Appreciation of Devoted & Invaluable Services rendered to the community	Management & Industrial Development Institute, Jalandhar	2003
Visiting Professor	the specialized area of Petroleum Refining & Petrochemical Technology	Indian Society for Technical Education New Delhi	2002
Best Citizen of India Award	Recognition of Exceptional Calibre and Outstanding Performance in Chosen area of activity	International Publishing House, New Delhi	2002
Rajarambapu Patil National Award for promising Engineering Teacher	Creative Work done in Technical Education	Indian Society for Technical Education New Delhi	2001
Best Engineering College Teacher Award for Punjab State (State Level Award)	Awarded	Indian Society for Technical Education, New Delhi	2000
Visiting Professor	specialized area of Petroleum Refining & Petrochemical Technology	Indian Society for Technical Education New Delhi	2000
Millennium Conclave 2000 Recognition Award	Outstanding Contribution in the field of Environment	Punjab Environment and Heritage Society Chandigarh	2000
BHARAT GAURAV AWARD	Outstanding Services, Achievements Contributions for Enriching Human Life and Outstanding Attainments	The India International Friendship Society New Delhi	2000
Young Scientist Fellowship	Deptt. of Science and Technology and worked as Visiting Scientist	Indian Institute of Petroleum (CSIR Laboratory) Dehradun	1999