Profile Page

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Research Interests :

1. Superabsorbents / Smart Nano-materials
2. Biodegradable Green Nano-composites
3. Nano-science and Technology

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Journal Publications :

Year	Journal	Publication
2019	Journal of Environmental Management 231, 380–390	AK Sharma, Priya, BS Kaith, S Panchal, JK Bhatia, S Bajaj, V Tanwar, N Sharma “Response surface methodology directed synthesis of luminescent nanocomposite hydrogel for trapping anionic dyes

2019	Colloids and Surfaces B: Biointerfaces 175, 314-323	AK Sharma, Priya, BS Kaith, S Bajaj, JK Bhatia, S Panchal, N Sharma, V Tanwar Efficient capture of eosin yellow and crystal violet with high performance xanthan-acacia hybrid super-adsorbent optimized using response surface methodology
2019	Cellulose, 26 (2), 991-1011	AK Sharma, BS Kaith, B Gupta, U Shanker, SP Lochab, 2019. Microwave assisted in situ synthesis of gum Salai guggal based silver nanocomposites- investigation of anti-bacterial properties
2019	Journal of environmental management, 234, 345-356	Priya, BS Kaith, U Shanker, B Gupta, 2019. One-pot green synthesis of polymeric nanocomposite: Biodegradation studies and application in sorption-degradation of organic pollutants
2019	International journal of biological macromolecules, 124, 331-345	AK Sharma, Priya, BS Kaith, N Sharma, JK Bhatia, V Tanwar, S Panchal, S Bajaj, 2019. Selective removal of cationic dyes using response surface methodology optimized gum acacia-sodium alginate blended superadsorbent.
2019	International journal of biological macromolecules, 129, 214-226	Priya, AK Sharma, BS Kaith, V Tanwar, JK Bhatia, N Sharma, S Bajaj, S Panchal, 2019. RSM-CCD optimized sodium alginate/gelatin based ZnS-nanocomposite hydrogel for the effective removal of biebrich scarlet and crystal violet dyes
2019	Reactive and Functional Polymers	Sapna Sethi, B.S. Kaith, Saruchi, Vaneet Kumar, Fabrication and characterization of microwave assisted carboxymethyl cellulose-gelatin silver nanoparticles imbibed hydrogel: Its evaluation as dye degradation
2018	Journal of Polymers and the Environment,26 (2), 518-531	J Sharma, BS Kaith, MS Bhatti,”Fabrication of biodegradable superabsorbent using RSM design for controlled release of KNO 3”
2018	RSC Advances 8 (73), 41920-41937	V Kumar, V Rehani, BS Kaith, Synthesis of a biodegradable interpenetrating polymer network of Av-cl-poly (AA-ipn-AAm) for malachite green dye removal: kinetics and thermodynamic studies
2018	Iranian Polymer Journal 27 (11), 913-926	V Kumar, V Rehani, BS Kaith, Microwave-assisted synthesis of biodegradable interpenetrating polymer network of aloe vera–poly(acrylic acid-co-acrylamide) for removal of malachite green dye
2018	International journal of biological macromolecules,107, 312-321	P Mehta, BS Kaith,“A Novel approach for the morphology controlled synthesis of rod-shaped nano-hydroxyapatite using semi-IPN and IPN as a template”
2018	Journal of Polymers and the Environment,26 (3), 999-1011	R Jindal, BS Kaith, R Sharma,”Central Composite Design Model to Study Swelling of GrA-cl-poly (AAm) hydrogel and Kinetic Investigation of Colloidal Suspension”
2018	Ecotoxicology and environmental safety,149, 150-158	J Sharma, BS Kaith, AK Sharma, A Goel,”Gum xanthan-psyllium-cl-poly (acrylic acid-co-itaconic acid) based adsorbent for effective removal of cationic and anionic dyes: Adsorption isotherms, kinetics and thermodynamics”
2018	Materials Chemistry and Physics,208, 49-60	P Mehta, BS Kaith,”In-situ fabrication of rod shaped nano-hydroxyapatite using microwave assisted semi-interpenetrating network as atemplate-morphology controlled approach”
2018	ChemistrySelect, 3, 4859-4864	D Singh, CK Hazra, CC Malakar, SK Pandey, BS Kaith, V Singh, “Indium?Mediated Domino Allylation?Lactonisation Approach: Diastereoselective Synthesis of ??Carboline C?3 Tethered ??Methylene ??Butyrolactones”
2018	Reactive and Functional Polymers, 131, 107-122	Priya, BS Kaith, U Shanker, B Gupta, JK Bhatia “RSM-CCD optimized In-air synthesis of photocatalytic nanocomposite: Application in removal-degradation of toxic brilliant blue”
2018	Vacuum, 156, 357-369	P Mehta, BS Kaith “Gamma radiative fabrication of semi interpenetrating network film: Optimization, characterization and investigation as colon, intestine specific drug release device”

2018	European Polymer Journal, 109, 402-434	H Mittal, SS Ray, BS Kaith, JK Bhatia, Sukriti, J Sharma, SM Alhassan "Recent progress in the structural modification of chitosan for applications in diversified biomedical fields"
2018	Materials Chemistry and Physics 219, 129-141	AK Sharma, BS Kaith, B Gupta, U Shanker, SP Lochab "A facile strategy to synthesize a novel and green nanocomposite based on gum Salai guggal-Investigation of antimicrobial activity"
2017	J. Environ. Manage., Vol. 190, pp. 176-187	Sukriti, J. Sharma, A. S. Chadha, V. Pruthi, P. Anand, J. Bhatia, B.S. Kaith, "Sequestration of dyes from artificially prepared textile effluent using RSM-CCD optimized hybrid backbone based adsorbent-kinetic and equilibrium studies"
2017	J Polym Environ., pp. 1-14	J. Sharma, Sukriti, B S Kaith, M. S. Bhatti, "Fabrication of Biodegradable Superabsorbent Using RSM Design for Controlled Release of KNO3"
2017	J. Polym. Environ., vol. 25, pp. 176-191	R. Sharma, S. Kalia, B. S. Kaith, A. Kumar, P. Thakur, D. Pathania, M. K. Srivastava, "Gum-poly (itaconic acid) based superabsorbents via two-step free-radical aqueous polymerization for environmental and antibacterial applications"
2017	Mater Chem Phys., Vol. 196, PP. 270-283	J Sharma, Sukriti, P Anand, V Pruthi , A S Chaddha, J Bhatia , B S Kaith, "RSM-CCD optimized adsorbent for the sequestration of carcinogenic rhodamine-B: Kinetics and equilibrium studies"
2017	Iranian Polymer Journal., vol. 26, pp. 563–577	Sukriti, Kaith B S, Jindal R. "Controlled Biofertilizer release kinetics and moisture retention studies for gum xanthan based IPN"
2017	International Journal of Theoretical & Applied Sciences., vol 9, pp. 11-24	Sukriti, Kaith B S, Jindal R, "Ag+9 swift heavy ion irradiation: Augmented removal of auramine-O dye and bactericidal activity"
2017	Journal of Polymers and the Environment, pp. 1-13	Rajeev Jindal, B S Kaith, Rachna Sharma, "Central Composite Design Model to Study Swelling of GrA-cl-poly(AAm) hydrogel and Kinetic Investigation of Colloidal Suspension"
2016	Int. J. Plast. Polym. Technol., vol. 20, pp. 294-314	R. Sharma, S. Kalia, B. S. Kaith, M. K. Srivastava, "Synthesis of guar gum-acrylic acid graft copolymers based biodegradable adsorbents for cationic dye removal"
2016	J. Chin. Adv. Mater. Soc., vol. 4, pp. 249-268	B. S. Kaith, J. Sharma, ? Sukriti, S. Sethi, T. Kaur, U. Shanker, V. Jassal, "Fabrication of green device for efficient capture of toxic methylene blue from industrial effluent based on K2Zn3[Fe(CN)6]2•9H2O nanoparticles reinforced gum xanthan-psyllium hydrogel nanocomposite"
2016	Ind. Eng. Chem. Res., vol. 55, pp. 10492–10499	Saruchi, V. Kumar, B. S. Kaith, R. Jindal, "Synthesis of Hybrid Ion Exchanger for Rhodamine B Dye Removal: Equilibrium, Kinetic and Thermodynamic Studies"
2016	Carbohydr. Polym.,vol. 78, pp. 987–996	B. S. Kaith,R. Jindal, A. K. Jana, M. Maiti, "Characterization and evaluation of methylmethacrylate-acetylated Saccharum spontaneum L. graft copolymers prepared under microwave''
2016	Iran. Polym J., vol. 25, pp. 787–797	B. S. Kaith, Sukriti, J. Sharma, T. Kaur, S. Sethi, U. Shanker, V. Jassal, "Microwave-assisted green synthesis of hybrid nanocomposite: removal of Malachite green from waste water"
2016	Int. J. Environ.Anal. Chem., vol. 96, pp. 801-835	U. Shanker, V. Jassal, M. Rani, B. S. Kaith, "Towards green synthesis of nanoparticles: From bio-assisted sources to benign solvents: A review"
2016	J. Environ. Chem. Engg., vol. 4, pp. 1743–1752	K. Thakur, S. Kalia, B. S. Kaith, D. Pathania, A. Kumar, P. Thakur, C. E. Knittel, C. L. Schauer, G. Totaro, "The development of antibacterial and hydrophobic functionalities in natural fibers for fiber-reinforced composite materials"
2016	Iran. Polym. J., vol. 25, pp. 349-362	B. S. Kaith, R. Jindal, R. Sharma, "Study of ionic charge dependent salt resistant swelling behavior and removal of colloidal particles using reduced gum rosin-poly(acrylamide)-based green flocculant"

2016	Appl. Phys. A, Vol. 122, pp. 1-12	V. Jassal, U. Shanker, S. Gahlot, B. S. Kaith, Kamaluddin, M. A. Iqubal, P. Samuel, "Sapindus mukorossi mediated green synthesis of some manganese oxide nanoparticles interaction with aromatic amines"
2016	Scientifica, vol. 2016	V. Jassal, U. Shanker, B. S. Kaith, "Aegle marmelos Mediated Green Synthesis of Different Nanostructured Metal Hexacyanoferrates: Activity against Photodegradation of Harmful Organic Dyes"
2016	Polym. Degrad. Stab., vol. 124, pp. 101-111	K. Sharma, V. Kumar, B. Chaudhary, B. S. Kaith, S. Kalia, H. C. Swart, "Application of biodegradable superabsorbent hydrogel composite based on Gum ghatti-co-poly (acrylic acid-aniline) for controlled drug delivery"
2016	Desalination and Water Treatment, vol. 57, pp. 4245-4254	J.K. Bhatia, B. S. Kaith, R. Singla, P. Mehta, V. Yadav, J. Dhiman, M. S. Bhatti, "RSM optimized soy protein fibre as a sorbent material for treatment of water contaminated with petroleum products"
2016	RSC Adv., vol. 6, pp. 88066-88076	D. Singh, N. Devi, V. Kumar, C. C. Malakar, S. Mehra, R. K. Rawal, B. S. Kaith, V. Singh, "Metal-free 1, 3-dipolar cycloaddition approach towards the regioselective synthesis of ?-carboline and isoxazole based molecular hybrids"
2016	RSC Adv.,vol. 6, pp. 74300-74313	Sukriti, J. Sharma, V. Pruthi, P. Anand, A. P. S. Chaddha, J. Bhatia, B. S. Kaith, "Surface response methodology–central composite design screening for the fabrication of a Gx-psy-g-polyacrylicacid adsorbent and sequestration of auramine-O dye from a textile effluent"
2016	J. Polym. Environ.,pp. 1-16	R. Sharma, S. Kalia, B. S. Kaith, A. Kumar, P. Thakur, D. Pathania, M. K. Srivastava, "Ggum-poly (itaconic acid) based superabsorbents via two-step free-radical aqueous polymerization for environmental and antibacterial applications"
2016	Biotechnol. Rep., Vol. 9, pp. 74-81	B. S. Kaith, V. Kumar, R. Jindal, "Biodegradation study of enzymatically catalyzed interpenetrating polymer network: Evaluation of agrochemical release and impact on soil fertility"
2016	Advanced Science Engineering and Medicine Journal 2016, Vol. 8	Rajeev Jindal, Rachna Sharma, Mithu Maiti, B S Kaith, Amarjot Kaur, Pooja Sharma, Vartika Mishra, A K Jana, "Synthesis and characterization of polyacrylamide grafted reduced Gum rosin based nanogels and study of their antibacterial activity"
2016	Polymer Bulletin 2016., Vol. 74, pp. 2995–3014	Rajeev Jindal, Rachna Sharma, Mithu Maiti, Amarjot Kaur, Pooja Sharma, Mishra, A K Jana, "Synthesis and characterization of novel reduced Gum rosin-acrylamide copolymer based nanogel and their investigation for antibacterial activity"
2015	Polymer Degradation and Stability., vol. 115, pp. 24-31	Saruchi, Kaith, B. S., Jindal, R and Kumar, V, "Biodegradation of Gum tragacanth acrylic acid based hydrogel and its impact on soil fertility"
2015	Iranian Journal of Science and Technology (Sciences)., vol. 390, pp. 503-513	Bhatia Kaur, J., Kaith, B. S and Jindal, R, "Induction of Morphological Changes in Soy Protein Concentrate through Pressure Induced Graft copolymerization and Evaluation of Chemical and Thermal Properties"
2015	International Journal of Biological Macromolecules ., vol 75, pp. 266-275	Kaith, B. S., Kalia, S, Sharma, R and Pathania, D, "Guar gum based biodegradable, antibacterial and electrically conductive hydrogels"
2015	Colloid and Polymer Science., vol. 293 , pp. 1181-1190	Sharma, K, Kaith, B. S., Kalia, S, Kumar, V and Swart, H C, "Gum ghatti-based biodegradable and conductive carriers for colon-specific drug delivery"
2015	Petroleum Science and Technology., vol. 33 , pp. 278-286	Saruchi, Kaith, B. S., Jindal, R and Kumar, V,"Adsorption of crude oil from aqueous solution using Gum tragacanth polyacrylic acid based hydrogel"
2015	Vacuum., vol. 111 , pp. 73-84	Kaith, B. S, Sharma, K., Kumar, V., Kumar, V., Swart, H.C. and Kalia, S., "Effects of O7+ and Ni9+ swift heavy ions irradiation on polyacrylamide grafted Gum acacia thin film and sorption of methylene blue"

2015	Journal of Thermal Analysis and Calorimetry.,vol. 119 (1),pp. 131-144	H Mittal, BS Kaith, R Jindal, SB Mishra, AK Mishra , "A comparative study on the effect of different reaction conditions on graft co-polymerization, swelling, and thermal properties of Gum ghatti-based hydrogels "
2014	Desalination and Water Treatment., vol. 57 ,pp. 1–10	Bhatia, J K, Kaith, B S, Singla, R, Mehta, P, Yadav, V, Dhiman, J and Bhatti, M S "RSM optimized soy protein fibre as a sorbent material for treatment of water contaminated with petroleum products"
2014	Advanced Materials Research., vol. 856, pp. 64-68	Kaith, B S, Saruchi, Kaur, S and Devi, M., "Synthesis, characterization and evaluation of property profile of hybrid ion exchanger"
2014	RSC Advances., vol. 4 (75), pp. 39822 – 39829	Saruchi, Kaith, B S, Jindal, R, Kumar, V, Bhatti and M. S., "Optimal response surface design of Gum tragacanth based poly[(acrylic acid)-co-acrylamide] IPN hydrogel for controlled release of antihypertensive drug losartan potassium"
2014	RSC Adv., vol. 4, pp. 40339	Kaith, B. S., Sharma, R., Kalia, S. and Bhatti, M. S., "Response surface methodology and optimized synthesis of guar gum-based hydrogels with enhanced swelling capacity"
2014	Carbohydrate Polymers., vol115, pp. 617–628	Mittal, H., Jindal, R., Kaith, B. S., Maity, A. and Ray, S. S., "Flocculation and adsorption properties of biodegradable gum-ghatti-grafted poly(acrylamide-co-methacrylic acid) hydrogels"
2014	Carbohydrate Polymers., vol. 114, pp. 321–329	Mittal, H., Jindal,R., Kaith, B. S., Maity, A. and Ray, S. S., "Synthesis and flocculation properties of gum ghatti and poly(acrylamide-co-acrylonitrile) based biodegradable hydrogels"
2014	RSC Adv., vol. 4, pp. 25637-25649	Sharma, K., Kumar, V., Kaith, B.S ., Kumar. V., Som, S., Kalia, S. and Swart, H.C., "A study of the biodegradation behaviour of poly(methacrylic acid/aniline)-grafted gum ghatti by a soil burial method"
2014	Polym. Degrad. Stab., vol. 107, pp. 166-177	Sharma, K., Kaith, B.S., Kumar, V., Kalia, S., kumar, V., Swart, H.C., "Synthesis and biodegerdation studies of gamma irradiated electrically conductive hydrogels"
2014	Geoderma., vol. 232-234, pp. 45-55	Sharma, K., Kaith, B.S., Kumar, V., Kalia, S., kumar, V., Swart, H.C., "Water retention and dyes adsorption behaviour of Gg-cl-poly(acrylic-aniline) based conducting hydrogels"
2014	Express Polym. Lett., vol. 8, pp. 267-281	Sharma, K., Kaith, B.S., Kumar, V., Kalia, S., kumar, V., Som, S., Swart, H.C., "Gum ghatti based novel electrically conductive biomaterials: A study of conductivity and surface morphology"
2014	Radiat. Phys. Chem., vol. 97, pp. 253–261	Sharma, K., Kaith, B.S., Kumar, V., Kalia, S., Kapur, B.K., Swart, H.C., "A comparative study of the effect of Ni9+ and Au8+ ion beams on the properties of poly(methacrylic acid) grafted gum ghatti films"
2014	Synth. Met., vol. 187, pp. 61–67	Kaith, B.S., Sharma, K., Kumar, V., Kalia, S., Swart, H.C., "Fabrication and characterization of gum ghatti-polymethacrylic acid based electrically conductive hydrogels"
2014	Synthetic Metals., vol. 187, pp. 61-67	Kaith, B. S, Sharma, K., Kumar, V., Kalia, S., and Swart, H.C. "Fabrication and characterization of gum ghatti-polymethacrylic acidbased electrically conductive hydrogels"
2014	Vacuum.,vol. 101, pp. 166-170	Kaith, B. S, Sharma, K., Kumar, V., Kumar, V., Swart, H.C. and Kalia, S., "Effects of swift heavy ion beam irradiation on the structural and morphological properties of poly(methacrylic acid) cross-linked gum ghatti films"
2014	Journal of the Chinese Advanced Materials Society., vol. 2(1), pp. 40-52	Saruchi, Kaith, B. S, Jindal, R, Kapur, G S and Kumar, V, "Synthesis, characterization and evaluation of Gum tragacanth and acrylic acid based hydrogel for sustained calcium chloride release- enhancement of water holding capacity of soil"

2014	Journal of the Chinese Advanced Materials Society., vol. 2, pp. 110-117	Saruchi, Kaith, B S, Jindal, R and Kapur, G S., “Synthesis of Gum tragacanth and acrylic acid based hydrogel: its evaluation for controlled release of antiulcerative drug pantoprazole sodium"
2014	Synthetic Metals,vol. 187, pp. 61-67	Kaith, B. S,, Sharma, K., Kumar, V., Kalia, S, and Swart, H.C., “Fabrication and characterization of gum ghatti-polymethacrylic acid based electrically conductive hydrogels”
2014	Vacuum.,vol. 101, pp. 166-170	Kaith, B. S., Sharma, K., Kumar, V., Kumar, V., Swart, H.C. and Kalia, S.,“Effects of swift heavy ion beam irradiation on the structural and morphological properties of poly(methacrylic acid) cross-linked gum ghatti films”
2013	Carbohydrate Polymers., vol. 98,pp. 397-404	Mittal, H., Mishra, S. B., Mishra, A. K., Kaith, B. S., Jindal, R. and Kalia, S., “Preparation of poly(acrylamide-co-acrylic acid)-grafted Gum and its flocculation and biodegradation studies”
2013	Journal of Engineered Fibers and Fabrics., vol. 8 , pp. 36-43	Chauhan, A. and Kaith, B., “Evaluation of Sereni fiber reinforced composite”
2013	American Journal of Biochemistry and Molecular Biology, pp. 1-10	Chauhan, A. and Kaith, B., “XRD and Physico-chemical Evaluation of Hibiscus sabdariffa cellulose-Butyl acrylate-co-vinyl monomer graft”
2013	Polym. Bull., vol. 70, pp. 3155–3169	Kaith, B. S, Bhatia, J. K., Dhiman, J., Singla, R., Mehta, P., Yadav, V. and Bhatti, M. S., “Synthesis and optimization of soy protein fiber based graft copolymer through response surface methodology for removal of oil spillage”
2013	RSC Adv., vol. 3, pp. 25830	Sharma, K., Kaith, B. S, Kumar, V., Kumar, V., Som, S., Kalia, S. and Swart, H. C., “Synthesis and properties of poly(acrylamide-aniline)-grafted gum ghatti based nanospikes”
2013	Journal of Inorganic Organometallic Polymers,vol. 23, pp. 1128-1137	Mittal, H., Mishra, S., Mishra, A. K,, Kaith, B. S. and Jindal, R., “Water-soluble carbon nano-tubes from Bitumen waste: Synthesis, Functionalization and Derivatization for its use as Super-absorbent”
2013	Polymers from Renewable Resources., vol. 4(1),pp. 19-34	Mittal, H., Jindal, R., Kaith, B. S. and Berry, S., “In vacuum synthesis of Xanthum gum based Hydrogels with different vinyl monomer mixtures and their swelling behaviour in response to external environmental conditions”
2013	Polymer Bulletin., Vol. 70, pp. 3155-3169	Kaith, B. S., Bhatia, J. and Dhiman, J., "Synthesis and Optimization of Soy Protein Fiber Based Graft Copolymer through Response Surface Methodology for Removal of Oil Spillage"
2013	Iranian Polymer Journal, vol. 22(8), pp. 561-570	Saruchi, Kaith, B. S., Jindal, R. and Kapur, G. S., “Enzyme-based green approach for the synthesis of gum tragacanth and acrylic acid cross-linked hydrogel: its utilization in controlled fertilizer release and enhancement of water-holding capacity of soil”
2013	International Journal of Biological Macromolecules., vol. 58, pp. 37-46	Mittal, H., Mishra, S. B., Mishra, A. K., Kaith, B. S. and Jindal, R., “Flocculation characteristics and Biodegradation studies of Gum ghatti based hydrogels”
2013	International Journal of Scientific and Engineering Research (IJSER).,vol. 4(10),pp. 573-579	Bhatia, J. K., Kaith, B. S. and Jindal, R., ”Evaluation of Physio-chemical and Thermal properties of Soy Protein Concentrate and Different Binary Mixtures Based Graft Copolymers"
2013	International Journal of Pharmacy and Pharmaceutical Sciences.,vol. 4,pp. 419-423	Prashar, D, Kaith, B S, Kalia, S, Sharma, S., “Synthesis, characterization and evaluation of electrical stimulus sensitive behavior of Gt-cl-poly(AA) superabsorbent hydrogel”
2012	International Journal of Pharmacy and Pharmaceutical Sciences.,vol. 4,pp. 419-423	Prashar, D, Kaith, B S, Kalia, S, Sharma, S., “Synthesis, characterization and evaluation of electrical stimulus sensitive behavior of Gt-cl-poly(AA) superabsorbent hydrogel”
2012	Progress in Rubber, Plastics, and Recycling Technology.,vol. 28 (1),pp. 1-15	Chauhan, A. and Kaith, B. S., “Synthesis and Evaluation of AdvancedGraft Copolymers”

2012	Journal of Engineered Fibers and Fabrics.,vol. 7(2),pp.1	Chauhan, A. and Kaith, B. S., “Accreditation of Novel Roselle Grafted Fiber Reinforced Bio-composites"
2012	International Journal of Polymeric Materials.,vol. 61(12),pp. 893-905	Chauhan, A. and Kaith, B. S., “Fabrication and Evaluation of Physico-Chemico-Thermally Resistant Bio-polymers"
2012	Waste and Biomass Valorization.,vol. 3 (2),pp. 141-148	Chauhan, A. and Kaith, B. S., “Novel Materials Procured From Surface Modificationof Biomass
2012	Polymers and Polymer Composites.,vol. 20 (6),pp. 567	Chauhan, A. and Kaith, B. S., “Screening the Viability of Roselle Graft-copolymers"
2012	Journal of Polymer Engineering .,vol. 32 (2),pp. 127-133	Chauhan, A. and Kaith, B. S., “Physico-chemico-thermo-mechanical Assessment of H. sabdariffa-reinforced-composites"
2012	Journal of Natural Fiber.,vol. 9(2),pp. 87-97	Chauhan, A. and Kaith, B. S., “X-Ray Powder Diffraction Studies to Evaluate the Transition in Graft-copolymers Procured from Roselle fiber"
2012	Journal of Environmental Science and Technology.,vol. 5 (5),pp. 343-353	Chauhan, A. and Kaith, B. S., “Sorrel fiber as reinforcement in bio-composite"
2012	Journal of Chilean Chemical Society., vol. 57 (3),pp. 1262-1266	Chauhan, A. and Kaith, B. S., “Versatile Sereni graft-copolymers :Xrd studies and their Mechanical Evaluation after use as Reinforcement in Composites"
2012	International Journal of Fundamental and Applied Science.,vol. 1 (2),pp. 14-19	Chauhan, A. and Kaith, B. S., “Exploring the Diversification in Grafted Copolymer”
2012	Malaysian Polymer Journal.,vol. 7 (1),pp. 1-7	Chauhan, A. and Kaith, B. S., “Screening the change in physical properties of the grafted Sereni fiber"
2012	Journal of Analytical and Bio-Analytical Techniques.,vol. 3 (5),pp. 1-6	Chauhan, A. and Kaith, B. S., “XRD Elaborate the Metamorphosis in Graft Copolymers"
2012	Journal of Analytical and Bio-Analytical Techniques.,vol. 3 (5),pp. 7-14	Chauhan, A. and Kaith, B. S., “Using the Advanced Analytical Techniques to Investigating the Versatile Cellulosic Graft copolymers”
2012	Journal of Analytical and Bio-Analytical Techniques.,vol. 3 (7)	Chauhan, A. and Kaith, B. S., “Exploring the viability of Modified Cellulosic Polymer and its use as reinforcement to obtain Green Composite by Advanced Analytical and Evaluation Techniques”
2012	Journal of Chemical Engineering and Process Technology.,vol. 3, pp. 312	Chauhan, A., Chauhan, P. and Kaith, B. S., “Natural Fiber Reinforced Composite: A Concise Review Article”
2012	Journal of Chemical Engineering and Process Technology.,vol. 3,pp. 133	Chauhan, A., Chauhan, P. and Kaith, B. S., “Advancement in Technology through Graft copolymerization"
2012	Journal of Chemical Engineering and Process Technology.,vol. 3,pp. 122	Chauhan, A., Chauhan, P. and Kaith, B. S., “Reprocessing the Natural Fibers to Procure Advanced Materials”
2012	Journal of Chemical Engineering and Process Technology., vol. 3(2)	Chauhan, A., Chauhan, P. and Kaith, B. S., “Advancement in Technology through Graft copolymerization”
2012	Polymer and Polymer Composites A.,vol. 20(6),pp. 567-573	Chauhan, A. and Kaith, B. S., “Screening the Viability of Roselle Graft-copolymers”
2012	Soft Matter.,vol. 8,pp. 2286-2293	Kaith, B. S., Sharma, S.. Jindal, R. and Bhatti, M. S., Screening and RSM Optimization for Synthesis of Gum tragacanth-acrylic acid based device for in-situ controlled cetirizine dihydrochloride release
2012	Physical and Bio-Chemistry Research.,vol. 2(1),pp. 54-67	Chauhan, A. and Kaith, B. S., “Recycling the Waste Cellulose, International Journal of Applied”

2012	Journal of Applied Polymer Science., vol. 123,pp. 1874-1883	Kumar, K., Kaith, B.S. and Mittal, H., “A Study on Effect of Different Reaction Conditions on Grafting of Psyllium and Acrylic Acid-Based Hydrogels”
2012	International Journal of Polymeric Materials.,vol. 61,pp. 99–115	Kaith, B. S., Jindal, R., Mittal, H. and Kumar, K., “Synthesis of crosslinked networks of Gum ghatti with different vinyl monomer mixtures and effect of ionic strength of various cations on its swelling behavior”
2012	Plastics and Recycling Technology.,vol. 28(1),pp. 1-15	Chauhan, A. and Kaith, B. S., “Synthesis and Evaluation of AdvancedGraft Copolymers, Progress in Rubber”
2012	Journal of Applied Polymer Science.,vol. 123 (1),pp. 448-454	A Chauhan, BS Kaith, "Synthesis, characterization, and evaluation of novel Hibiscus sabdariffa?g?poly (EA) copolymer"
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1990	J. Eco. Bot. & Phytochem., Vol. 1 (2-4),pp. 30 –33	Kaith, B. S. and Kaur M.; "Gas- liquid chromatographic studies and anti-inflammatory activity of some aliphatic fractions isolated from Pluchea lanceolata roots and stem/leaves"
1990	Ind. J. Chem., Vol. 29B918-922	Chawla, A. S., Kaith, B. S., Handa, S. S., Kulshreshta, D. K., and Srimal, R. C., “ Chemical Investigation and Anti-inflammatory activity of Pluchealanceolata, roots”
1987	J Sci. & Indus. Res., Vol. 46,pp. 214- 223	Chawla, A. S., Handa, S.S., Sharma , A. K., and Kaith , B. S., “Plant Anti- inflammatory Agents”

Conference Publications :

Year	Conference	Publication
2019	UKIERI Concrete Congress	B S Kaith and A K Sharma, “Applications of polymer reinforced composites in building materials”

2019	UKIERI Concrete Congress	A K Sharma and B S Kaith, “Applications of some smart materials based release devices for health and safety purpose”
2016	PETROTECH	B S Kaith, J Sharma, Sukriti, J Bhatia, Rubina Singla, Jitender Dhiman, Vinay Yadav, Preeti Mehta, RSM Technique in the Development of Biodegradable Eco-friendly Device for the Removal of Ocean Oil Spilage - Protection of Aquatic Life
2013	International Conference on Material Science, Engineering and Technology	B S Kaith, Saruchi, Sandeep Kaur and Meenakshi Devi, Synthesis, Characterization and Evaluation of Property Profile of Hybrid Ion-exchanger
2012	10th International Oil &Gas Conference and Exhibition	Kaith, B S, Dhiman, J, Bhatia, J K, Mittal, H, Yadav, Vinay, Mehta, P and Singla, Selective removal of oil-spillage through graft copolymers of soy-protein fibres - A green technology for saving aquatic life
2010	PETROTECH	B S Kaith, R Jindal and H Mittal, Under Pressure Synthesis of Gum ghatti and acrylamide based hydrogels for the selective removal of Saline from different Petroleum Fraction-Saline Emulsions
2009	PETROTECH	B S Kaith and Kiran Kumar, Gamma-radiation initiated synthesis of Psyllium and Acrylic Acid based Polymeric Net-works for the Selective absorption of water from different Oil-Water Emulsions
2007	PETROTECH	Kaith, B. S., Singha, A. S. and Kumar Kiran, In Vacuum Preparation of Super-absorbent from Plantago ovata and its Applications in Oil-Industry
2007	PETROTECH	Singha, A. S., Kaith, B. S. and Kumar Kiran, Application of Isphgula-cl-poly(AA) in removal of water from oil-water emulsions
2005	PETROTECH	Singha, A. S. and Kaith, B. S, Lubricants and Global Market
2003	PETROTECH	Singha, A. S. and Kaith, B. S, Graft Co-polymers of Flax Fibres with Binary Monomer Mixtures and Their Moisture Absorbance Studies at various Humidities and Temperatures
2001	PETROTECH	Singha, A. S. and Kaith, B. S, Ceric Ion Initiated Graft Co-polymerization of methylmethacrylate onto Flax fiber

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Chapter	Recent Progress on Novel Ag–TiO2 Nanocomposites for Antibacterial Applications	Springer	Jai Prakash, B. S. Kaith, Shuhui Sun, Stefano Bellucci, Hendrik C. Swart	978-3-030-16534-5	2019
Chapter	Recent developments in surface modification of natural fibers for their use in Biocomposites,. In: Biodegradable Green Composite	John Wiley & Sons, Hoboken	Jaspreet Kaur Bhatia, B. S. Kaith and Susheel Kalia	10: 1118911091, 13: 978-1118911099	2016

Book	POLYMER NANO-COMPOSITES BASED ON INORGANIC AND ORGANIC NANOMATERIALS	SCRIVENER PUBLISHING, WILEY, EDITION	SMITA MOHANTY, SANJAY K NAYAK, B S KAITH AND SUSHEEL KALIA	978-1-118-38509-8	2015
Chapter	Polymer Nanocomposites based on Inorganic and Organic Nanomaterials	John Wiley & Sons, USA	S. Kalia, S. Mohanty, S. K. Nayak, B. S. Kaith	978-1-118-38509-8	2015
Chapter	Biofiber-Reinforced Thermoplastic Composites, in Polymer Composites	Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany	Kalia, S., Kaith, B. S., Kaur, I. and Njuguna		2013
Chapter	Gum Polysaccharide Based Nano-composites For the Treatment of Industrial Effluents	Pan-stanford	Mittal, H., Kaith, B.S., Mishra, A., Mishra, S.B		2013
Chapter	Role of Polymer Nanocomposites in Wastewater Treatment	Pan-stanford	Kaith, B.S., Suruchi, Kumar, V., Mishra, A., Mishra, S.B., Mittal, H		2013
Book	CELLULOSE FIBERS, BIO-, AND NANO- POLYMER COMPOSITES	SPRINGER-VERLAG, GERMANY	SUSHEEL KALIA*, B. S. KAITH, INDERJEET KAUR	978 3 642 17369 1	2011
Chapter	Environment Benevolent Biodegradable Plastics: Synthesis, Biodegradability and Applications, Chapter inCELLULOSE FIBERS, BIO-, AND NANO-POLYMER COMPOSITES	SPRINGER-VERLAG, GERMANY	B. S. Kaith*, Hemant Mittal, Rajeev Jindal, Susheel Kalia and Mithu Maiti		2011
Chapter	POLYSACCHARIDE GRAFT COPOLYMERS-SYNTHESIS, PROPERTIES AND APPLICATIONS",HANDBOOK OF BIOPOLYMERS AND THEIR APPLICATIONS	WILEY & SCRIVENER PUBLISHING	B. S. KAITH*, HEMANT MITTAL, JASPREET KAUR BHATIA AND SUSHEEL KALIA		2011
Chapter	Polymer Blends and Alloys" Hand Book of Engineering Polymeric Materials	Marcel Dekker Publications, Morganville, New York	Kaith, B. S.; Singha A. S and Sunil		1997

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator

Principal Investigator	Major project	Infra-structure Development /Equipmentation in the Chemistry Department	DST-FIST New Delhi	April 2012	March 2017	Rs 42,50,000 /-	Completed	#
Principal Investigator	Major project	Gamma-radiation induced synthesis of super-absorbents and impact of swift heavy ions bombardment on the physico-chemical properties	Inter-University Accelerator Centre (IUAC) -New Delhi	March 2015	till date	About Rs 30,00,000 /-	In progress	#
Co-Investigator	Major project	Natural Product Inspired Design, Synthesis and Anti-cancer evaluation of Î²-Carboline Derivatives	CSIR, New Delhi	January 2015	till date	About Rs 19,42,000 /-	In progress	#
Principal Investigator	Major project	Functionalization of Psyllium through Graft Copolymerization and interpenetrating net-work formation to develop Novel materials and their applications as drug delivery devices	UGC-New Delhi	February 2007	2010	Rs. 04,19,600 /-	Completed	#

Co-Investigator	Major project	Preparation of Natural Fiber Graft Co-polymers Reinforced Composites using Phenol-Formaldehyde as Novel Matrix Resin	UGC - New Delhi	March 2005	2008	Rs. 06,16,600/-	Completed	#
Co-Investigator	Major project	Material Science Laboratory Upgradation	AICTE-New Delhi	1991	1994	Rs 7,50,000/-	Completed	#
Co-Investigator	Major project	Applied Chemistry Laboratory Upgradation	AICTE-New Delhi	1993	1996	Rs 10,00,000/-	Completed	#

Events Organized :

Category	Type	Title	Venue	From	To	Designation
Conference	International	Chemical Constellation Cheminar-2012	NIT-Jalandhar (Punjab)	September 10, 2012	September 12, 2012	Convener
Conference	International	National Chemical Constellation Cheminar	NIT-Jalandhar (Punjab)	August 20, 2011	August 21, 2011	Convener
Conference	National	National Conference on “Advances in Construction Materials”	REC-Hamirpur (H.P.)	April 08, 2002	April 09, 2002	Co-Convener
Conference	National	POLLUTION PREVENTION AND CONTROL	NIT Hamirpur	December 23, 1998	December 24, 1998	Organising Secretary
STC	National	Advances in Material Science and Material Engineering	Department of Chemistry by NIT-Jalandhar	August 08, 2016	August 14, 2016	Chief-coordinator
STC	National	Short-Term Course on “Natural Materials for Biomedical Applications [NSMBA-2016]	NIT- Jalandhar	November 7, 2016	November 11, 2016	Coordinator
STC	National	Nanotechnology: Synthesis, Characterization, Fabrication and Applications	NIT- Jalandhar	June 6, 2016	June 11, 2016	Coordinator
STC	National	Current Opportunities and New Directions In Chemical Sciences and Technology	Department of Chemistry by NIT-Jalandhar	December 07, 2015	December 13, 2015	Chief-coordinator
STC	National	Frontiers in Chemical Sciences and Technology	Department of Chemistry by NIT-Jalandhar	December 08, 2014	December 14, 2014	Chief-coordinator

Workshop	National	Advances in Nanoscience and Technology	NIT- Jalandhar	October 11, 2013	October 11, 2013	Chairperson
Workshop	National	IPR-Day Celebration	Department of Chemistry, NIT-Jalandhar	August 24, 2012	August 24, 2012	Convener
Workshop	National	National Science Day	NIT-Hamirpur (H. P.)	November 19, 2006	November 19, 2006	Co-ordinator
Workshop	National	Solid-Waste Management	NIT-Hamirpur (H. P.)	June 05, 2006	June 05, 2006	Co-ordinator
Workshop	National	Solid-Waste Management	NIT-Hamirpur (H. P.)	September 10, 2005	September 10, 2005	Co-ordinator
Workshop	National	National Science Day	State Council for Science, Technology & Environment, Shimla, Himachal Pradesh	August 29, 2005	August 29, 2005	Co-ordinator
Workshop	National	National Science Day	State Council for Science, Technology & Environment, Shimla, Himachal Pradesh	April 16, 2005	April 16, 2005	Co-ordinator
Workshop	National	Water – An Elixir of Life	State Council for Science, Technology & Environment, Shimla	May 29, 2004	May 30, 2004	Organizing Secretary
Workshop	National	Harvesting of Rain-Water Through Water-Shed Management Technology	State Council for Science, Technology & Environment, Shimla	May 18, 2003	May 18, 2003	Organising Secretary
Workshop	National	Solid Waste Management	Regional Engineering College [REC], Hamirpur	September 30, 2001	September 30, 2001	Convener
Workshop	National	Environment Beyond –2000	Regional Engineering College [REC], Hamirpur	August 11, 2001	August 11, 2001	Organising Secretary
Workshop	National	INDUSTRIAL EXPLORATION OF HERBAL SPECIES OF HIMALAYAN-ORIGIN	Regional Engineering College [REC], Hamirpur	November 08, 1997	November 09, 1997	Organising Secretary
STC	National	Advanced Materials and Characterization Techniques	Department of Chemistry and Biotechnology, NIT, Jalandhar	June 1, 2015	June 7, 2015	Chief coordinator

STC	National	Frontiers in Chemical Sciences and Technology	Department of Chemistry, NIT, Jalandhar	December 08, 2014	December 14, 2014	Chief coordinator
STC	National	Post-harvest Technology for Small Scale Entrepreneurs	Department of Chemistry and Department of Computer Science & Engineering, NIT-Jalandhar	June 10, 2013	June 14, 2013	Coordinator
STC	National	Nurturance Programme For National Talent Search Awardees-2010	NIT-Jalandhar (Pb.)	January 10, 2011	January 14, 2011	Coordinator
STC	National	Nurturance Programme For National Talent Search Awardees-2008	NIT-Jalandhar (Pb.)	January 05, 2009	January 09, 2009	Coordinator
STC	National	Environmental hazards	NIT-Hamirpur (H. P.)	July 09, 2007	July 13, 2007	Coordinator
STC	National	Post-Harvest Technology	NIT-Hamirpur (H. P.)	June 12, 2006	June 16, 2006	Coordinator
STC	National	Post-Harvest Technology, Solidwaste Management and Plant Diseases	NIT-Hamirpur (H. P.)	June 13, 2005	June 17, 2005	Joint-Coordinator
Workshop	International	Hands on workshop on X-ray diffraction and XPS techniques	NIT- Jalandhar	16-11-2018	17-11-2018	Chief Coordinator

Professional Affiliations :

Designation	**Organization**
Life-member	Indian Society for Technical Education (ISTE, LM-17275)
Fellow	Indian Chemical Society (F/4968)
Life-member	Indian Society of Analytical Scientists (ISAS, LM-097)
Fellow	Society for Chemistry and Environment (A/B 21)
Member	Indian Holistic Medical Society, Associated with International Open University, Colombo (1090)
Fellow	International Journal of Chemical Sciences, Sadguru Publications, Udaipur (Rajasthan), India
Senior Member of APCBEES (membership No. 100047)	Asia-Pacific Chemical, Biological & Environmental Engineering Society, Hong Kong, Registered No. 52577283-001-07-10-2
Fellow	Indian Council of Chemists (ICC, Fellow No. AF/ 6888)
Life-member	Asian Polymer Association (L-217)
Fellow Member	International Congress of Environmental Research(F.I.C.E.R.) (F/889/11)
Life Member	Him Science Congress Association, H P (membership No.LM-98)
Life member	North Chapter of Society for Biomaterials and Artificial Organs, India (Head office - Trivandrum)

PhD Supervised :

Scholar Name	**Research Topic**	**Status**	**Year**	**Co-Supervisor**
Ms Preeti Mehta	Studies on Agar-Gelatin Based IPN Matrices for Nano-structured Hydroxyapatite Synthesis ans as sustained Drug Delivery Device	Completed	2019	#

Jitender Dhiman	A Green Approach for the preparation of Io-exchangers from Graft Copolymers of Holarrhena antidycsenterica Fibre-Evaluation of Physico-chemical and antibacterial properties	Completed	2018	#
Sukriti	Controlled Biofertilizer release Devices Based on Biodegradable Gum xanthan Hydrogels: Synthesis, Properties and Applications	Completed	2018	Dr Rajeev Jindal
Rachna Sharma	Chemically Reduced Gum rosin based Biodegradable Hydrogels and organo-inorganic Hybrid Ion-exchangers: Synthesis, Characterization and Their Properties	Completed	2017	Dr Rajeev Jindal
Ms Jaspreet Kaur Bhatia	Synthesis and Characterization of Soy Protein Concentrate Graft Copolymers and Their Application as a Particle Reinforcement in Biodegradable Composites	Completed	2011	Dr Rajeev Jindal
Ms. Shabnam Ranjta	Synthesis of Gum Arabic Based Hydrogels and Their Applications as Super-absorbents, Flocculants and Controlled Drug Delivery Devices	Completed	2010	Dr A S Singha
Ms. Ashwarya Jyoti Khanna	Preparation of Phenol-Resorcinol-Formaldehyde and Urea-Resorcinol- Formaldehyde Matrix Based Composite using Waste Bio-mass as Reinforcing Material and Evaluation of Their Physico-Chemical and Mechanical Properties	Completed	2010	Dr A S Singha
Mithu Maiti	Development and Evaluation of Corn-Starch Based Bio-degradable Composites Using Saccharum spontaneum L Graft Copolymers as Reinforcing Materials	Completed	2010	Dr Rajeev Jindal
Mr. Ashish Chauhan	Some studies towards preparation of polymer matrix based composites using various graft co-polymers of Hibiscus sabdariffa with different binary vinyl monomer mixtures as reinforcing agents	Completed	2009	Dr A S Singha & Dr Deepak Pathania
Ms Anjali Shama	Preparation of polymer matrix composites using graft co-polymers of natural fibre as reinforcing material & evaluation of physical, chemical and mechanical properties.	Completed	2009	Dr A S Singha
Dr. Sanjeev Kumar	Synthesis of Flax Graft Co-polymers –Polymer Matrix Based Composites and Evaluation of their physical, chemical and mechanical properties	Completed	2008	Dr A S Singha
Mr. Susheel Kumar	Development of Polymer matrix based composites using grafted Flax Cellulose as reinforcing Agent and evaluation of some mechanical and chemical properties	Completed	2008	Dr A S Singha
Mr. Kiran Kumar	Synthesis and Applications of Psyllium Based Hydrogels as Super-absorbents and controlled Drug / Fungicide Delivery System	Completed	2008	#
Mr Hemant Mittal	Synthesis, Characterization and Evaluation of Properties of Gum ghatti based Biodegradable Hydrogels	Completed		Dr Rajeev Jindal

Amit Sharma	Chemically cross-linked Super-absorbents based on Salai guggal aqueous extract – Templates for the synthesis of Silver Nano-Particles: Preparation, Prperties and Applications	On going		Dr Uma Shanker, Professor Bhuvanesh Gupta
Priya	Synthesis of Novel Commiphoram mukul – Iron oxide Nano-composites: Evaluation for Photocatalytic Degradation of Organic Dyes	On going		Dr Uma Shanker, Professor Bhuvanesh Gupta
Preeti Mehta	Studies on Agar-Gelatin Based IPN Matrices for Nano-structured Hydroxyapatite Synthesis ans as sustained Drug Delivery Device	On going		#
Jya Hatta	Synthesis of Biodegradable Hybrid Psyllium – Agar Based Suoperabsorbent and Evaluation of its toxic Dye removal efficacy from waste water	On going		#

Admin. Responsiblities :

Position Held	Organization	From	To
Dean Academic	NIT Jalandhar	Dec. 2017	Jan 2019
Dean Student Welfare	NIT Jalandhar	Jan. 2017	Dec. 2017
Registrar	NIT Jalandhar	Sept 2013	June 2014
Dean Planning and Development	NIT Jalandhar	April 2013	Sept 2013
HOD, Department of Chemistry	NIT Jalandhar	Jan 2019	till date
HOD, Department of Chemistry	NIT Jalandhar	Sept 2009	Sept 2012
Chairman, BOS	NIT Jalandhar	Jan 2019	till date
Chairman, BOS	NIT Jalandhar	Sept 2009	Sept 2013
Member, BOS	NIT Jalandhar	Sept 2007	till date
Member, BOS	NIT Hamirpur	Sept 1991	Sept 2007
Member of academic council	NIT Jalandhar	Sept 2007	till date
BOG member	NIT Jalandhar	April 2018	till date
Chairman, Board of academic council	NIT Jalandhar	Dec 2017	Jan 2019
Member of Senate	NIT Jalandhar	Sept 2007	till date
Nominated Member of Board of Governors	NIT Jalandhar	April 2018	till date
Expert member in the panel	Rajasthan Public Service Commission, Ajmer	June 2019	till date

Award and Honours :

Title	Activity	Given by	Year
Professor Wahid Uddin Malik Memorial ICC National Award - 2018	37th Annual Conference of ICC	ICC	2018
Best Teacher Award-2018	Convocation-2018	NIT Jalandhar	2018
Award of Appreciation	STC-Advances in Material Science and Material Engineering	NIT Jalandhar	2016
Award of Appreciation	STC-Current Opportunities and New Directions In Chemical Sciences and Technology	NIT Jalandhar	2015
Fellow of the Association	Fellow of The Year Award	HIM SCIENCE CONGRESS ASSOCIATION	2014
BEST POSTER PAPER AWARD	National Conference	Bahra University, Shimla Hills	2014

BEST ORAL PAPER AWARD	National Conference	Bahra University, Shimla Hills	2014
BEST ORAL PAPER AWARD	International Conference	National Institute of Technology, Jalandhar	2012
YOUNG CHEMIST AWARD	International Conference	Bangkok, Thailand (The Largest Chemical Congress in Asia)	2011
BEST POSTER PAPER AWARD	National Conference	Multani Mal Modi College, Patiala (Punjab)	2011
BEST POSTER PAPER AWARD	National Seminar	KanyaMahaVidyalaya (KMV), Jalandhar (Punjab) India.	2011
BEST ORAL PAPER AWARD	National Seminar	BBK DAV College for Women, Amritsar (Punjab) India	2010
YOUNG SCIENTIST AWARD	International Conference	Department of Chemistry, GITAM Institute of Science, GITAM University, Visakhapatnam, India	2010
GOLD PAPER AWARD	International Conference	K. S. Rangasamy College of Technology, Tiruchengode, Namakkal (Dt.) Tamil Nadu, India.	2010
BEST PAPER AWARD	International Conference	KanyaMahaVidyalaya (KMV), Jalandhar (Punjab) India.	2010
BEST PAPER AWARD	National Conference	Hans Raj MahaVidyalaya, Jalandhar (Punjab) India	2010
YOUNG SCIENTIST AWARD	National Conference	Hans Raj MahaVidyalaya, Jalandhar (Punjab) India	2010
BEST PAPER AWARD	National Symposium	H.P. U. Shimla	2010
YOUNG SCIENTIST AWARD	National Conference	Multani Mal Modi College, Patiala (Punjab)	2010
BEST PAPER AWARD	National Conference	Multani Mal Modi College, Patiala (Punjab)	2010
BEST PAPER AWARD	Annual Conference	Multani Mal Modi College, Patiala (Punjab)	2009
BEST PAPER AWARD	National Symposium	Department of Chemistry, Sant Longowal Institute of Engineering & Technology	2009
Award of Honour	Contribution towards Community Service	CSE Department, May 02-25, 2008, NIT-Hamirpur (H. P.)	2008
Award of Honour	Striving for Excellence in Analytical Sciences Through Knowledge Sharing	Indian Society for Analytical Scientists (ISAS), New Delhi-Chapter	2004
Commendation-Certificate	For Excellent Work in research	National Institute of Technology-Hamirpur 177 005 (H. P.)	2004