

Profile Page



Name : Dr. N. K. Srivastava
Designation : Associate Professor
Department : Chemical Engineering
Qualification : Ph D Chemical Engineering (NIT Jalandhar)
M Tech Chemical Engineering (IIT Roorkee)
B Tech (HBTI Kanpur)
Address : House No. 76, Gurjepal Nagar
Cool Road
Jalandhar, Punjab - 144001
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Research Interests :

Wastewater Treatment, Air Pollution Control, Water Resource Conservation and Management, New and Renewable Energy

Other Profile Links :

Google Scholar Link :

N K Srivastava [Click Here](#)

Personal Web Link :

ORCID [Click Here](#)VIDWAN Expert Database [Click Here](#)Scopus [Click Here](#)Researcher ID [Click Here](#)

Journal Publications :

| Year | Journal | Publication |
|------|--|---|
| 2015 | Journal of Chemical Engineering and Its Innovation | Recombinant Microbial Bioremediation for the Treatment of Heavy Metals |
| 2015 | Journal of Applied Pharmaceutical Science | Homology Modeling of DNA polymerases of Herpesviridae family and structure-based virtual screening for inhibitor identification |
| 2014 | International Journal of Engineering Research | Optimization of effect of pre-treatment on chromium removal by algal biomass using response surface methodology |
| 2014 | International Journal of Science, Environment and Technology | Removal of Cr (Vi) From Waste Water Using Nio Nanoparticles |
| 2012 | International Journal of Environmental Pollution and Remediation | Microbial Growth Control in Diesel by Optimization of Sulphur |
| 2010 | International Journal of Chemical and Biological Engineering | Application of Genetic Engineering for Chromium Removal from Industrial Wastewater |

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| 2008 | Journal of Hazardous Materials | Novel biofiltration methods for the treatment of heavy metals from industrial wastewater |
| 2004 | Indian Leather, Vol. 37, No. 12, 89-97, | N K Srivastava, Rubal Preet, Application of Polyurethanes in Leather Finishing, |
| 2004 | Journal of Indian Leather Technologists' Association, Vol. LIV, No. 5, 401-410, | N K Srivastava, Rajesh Mangal, Ashutosh Misra, A Study of Manufacture of Leather Byproducts from Solid Tannery Waste |
| 2004 | Leather Age, Vol. XXVI, No. 6, 59-66 | N K Srivastava, Rubal Preet, Divtresh Singh, Influence of Different Auxiliaries on Dyeing of Leather |
| 2004 | Indian Leather, Vol. 38, No. 5, 15-25 | N K Srivastava, Rubal Preet, Rajesh Mangal, Ashutosh Misra, Biocides for Preservation of Leather: Innovative Approaches |
| 2003 | Indian Leather, Vol. 37, No. 6, 33-43 | N K Srivastava, R S Bajaj, J S Sandhu, Utilization of Solid Waste for the Manufacture of Leather Boards: A Study |
| 2003 | Leather Age, Vol. XXV, No. 12, 44-48 | N K Srivastava, Tarun Arora, Harmanjit Mallhi, Sandeep Kinge, Myths and Facts about Azo Dyes: An Overview |
| 2002 | Journal of Indian Leather Technologists' Association, Vol. LII, No. 1, 41-48 | N K Srivastava, S Bajpai, Ramanjit Narang, Munish Lagoo, Manufacture of Full Vegetable Tanned Foil Upper Leather |
| 2002 | Journal of Indian Leather Technologists' Association, Vol. LII, No. 10, 696-700 | N K Srivastava, S Bajpai, Rakesh Kumar, Rasik Krishna, An Overview of the Enzymatic Options in Beam House Operations |
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Conference Publications :

| Year | Conference | Publication |
|------|--|---|
| 2019 | '2nd National Conference on Advances in Chemical and Environmental Engineering ACEE 2019', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India from March 23-24, 2019 | Sneha Rawat, N. K. Srivastava, "Dairy Industry waste water treatment by using semiconductor Material ZnO with Photo-Catalytic Advanced oxidation Process" |
| 2019 | '2nd National Conference on Advances in Chemical and Environmental Engineering ACEE 2019', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India from March 23-24, 2019 | Vikas Kumar, N. K. Srivastava, S. Bajpai, "Effect of pH on hydrophilicity and their effect on the filtration Efficiency of NF Membrane" |
| 2019 | '2nd National Conference on Advances in Chemical and Environmental Engineering ACEE 2019', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India from March 23-24, 2019 | Amit Kumar, N. K. Srivastava, Poonam Gera, "Removal of colour from paper industry wastewater using biochar derived from paper mill sludge" |
| 2019 | 2nd International Conference on Application of Biotechnology in Industry and Society ABIS 2019, held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India from November 14-16, 2019 | Shefali Gupta, N. K. Srivastava, Bioremediation for the treatment of distillery industry wastewater |
| 2019 | 2nd International Conference on Application of Biotechnology in Industry and Society ABIS 2019, held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India from November 14-16, 2019 | Amit Kumar, Vikas Kumar, N. K. Srivastava, removal of colour from paper mill wastewater using sludge based biochar |

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| 2018 | International Conference on 'Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities and Challenges, 71st Annual Session of Indian Institute of Chemical Engineers, Kolkata CHEMCON 2018', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | Vikas Kumar, N. K. Srivastava, Shailendra Bajpai, "Removal of organophosphate pesticide residues malathion from aqueous stream using nanofiltration" |
| 2018 | International Conference on 'Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities and Challenges, 71st Annual Session of Indian Institute of Chemical Engineers, Kolkata CHEMCON 2018', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | Amit Kumar, N. K. Srivastava, Poonam Gera, "Removal of dyes from textile wastewater using paper mill sludge based biochar" |
| 2018 | International Conference on 'Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities and Challenges, 71st Annual Session of Indian Institute of Chemical Engineers, Kolkata CHEMCON 2018', held at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | Sneha Rawat, N. K. Srivastava, "Novel treatment methods for the dairy industry wastewater" |
| 2018 | National Conference on 'Advances in Chemical Science and Technology' held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar during April 27-28, 2018. | Amit Kumar, N. K. Srivastava, Poonam Gera, "Removal of dyes from textile wastewater using nanofiltration" |
| 2018 | National Conference on 'Advances in Chemical Science and Technology' held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar during April 27-28, 2018. | Monica Ranga, N. K. Srivastava, S. Bajpai, "A review on the Phenol removal by using electrocoagulation and advance oxidation process" |
| 2018 | National Conference on 'Advances in Chemical Science and Technology' held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar during April 27-28, 2018. | S. Hooda, R. R. Marlar, N. K. Srivastava, S. Bajpai, "Treatment of wastewater by using Spiral wound Nanofiltration Membrane Validated using Donnan Steric Pore Model" |
| 2018 | Sustainable Development Conference SDC 2018 held at Hotel Aetas Lumpini, Bangkok, Thailand from July 11-13, 2018 | N. K. Srivastava, Treatment of reverse osmosis concentrates using Nickel and Cobalt nanoparticles and optimization using Response Surface Methodology |
| 2016 | 3rd National Conference on Sustainable Water Resources Development and Management SWARDAM 2016 held at Government College of Engineering, Aurangabad from July 04-05, 2016. | N. K. Srivastava, "Optimization of electrocoagulation of Chromium by Iron and Aluminium electrodes using RSM" |
| 2016 | National Conference on Application of Biotechnology in Industry and Society ABIS 2016 at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar from April 12-14, 2016. | Shweta Kalia, N. K. Srivastava, N. Basak, "Study on optimization of extracellular alkaline lipase from Aspergillus fumigates MTCC 9657" |
| 2016 | 6th International Conference on Power and Energy Systems ICPER 2016 held at Novotel Creteil Le Lac Hotel, Paris, France from November 15-18, 2016 | N. K. Srivastava, Optimization of Treated Lignocellulosic Biomass for Biofuel Applications using Response Surface Methodology |
| 2015 | ISTE Engineering Education Congress and National Seminar on Sustainability of Engineering Education at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar from March 26-27, 2015. | N. K. Srivastava, Subhashini Pandey, Shweta Kalia, Jatinder Kumar, "Biotechnology - a sustainable alternative for chemical industry" |
| 2015 | ISTE Engineering Education Congress and National Seminar on Sustainability of Engineering Education at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar from March 26-27, 2015. | Manoj K., S. Bajpai, V. Bajpai, N. K. Srivastava, "Role of e-learning resources in research programme" |

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| 2013 | Green House 2013 at Adelaide Convention Centre, Adelaide, Australia from October 08-11, 2013 | N. K. Srivastava, Aakash Sharma, Gaurav Kaila, A study on hydroprocessing of jatropa oil for aviation turbine fuel |
| 2013 | 'First International and Third National Conference on Biotechnology, Bioinformatics and Bioengineering' held at Hotel Udayee International, Tirupati, Andhra Pradesh, India from June 28-29, 2013. | N. K. Srivastava, Navodit Bhatnagar, "Investigation of efficiency of bioremediation of biosynthesized, isolated and characterized Cd-Se nanoparticles" |
| 2012 | 2nd International Conference on Environmental Pollution and Remediation ICEPR 2012 at McGill University, Montreal, Canada from August 28-30, 2012 | N. K. Srivastava, Nitin K. Nandan, Microbial Growth Control in Diesel by Optimization of Sulphur |
| 2011 | 1st Environment Asia International Conference 2011 at Hotel Rama Gardens, Bangkok, Thailand from March 22-26, 2011 | Biosorption of Chromium on genetically modified bacteria |
| 2011 | 1st Environment Asia International Conference 2011 at Hotel Rama Gardens, Bangkok, Thailand from March 22-26, 2011 | Treatment of domestic wastewater using moving bed biofilm reactor |
| 2010 | International Congress of Environment Research ICER-2010 at University of Mauritius, Reduit, Mauritius from September 16-18, 2010 | N. K. Srivastava, Bhanu Kiran, I. D. Mall, V. C. Srivastava, Treatment of dye bearing textile wastewater by electrocoagulation |
| 2010 | International Congress of Environment Research ICER-2010 at University of Mauritius, Reduit, Mauritius from September 16-18, 2010 | Davinder Singh, N. K. Srivastava, Characterization and testing of wastewater: a case study |

Book/Chapter Publications :

| Type | Title | Publisher | Authors | ISBN/ISS N No. | Year |
|----------------|--|---|---|--------------------------|------|
| Book Chapter | Industrial Wastewater: Pollutants, Treatment and Disposal, Optimization of photochemical degradation of dairy industry wastewater using response surface methodology | Nova Science Publishers Inc., New York, USA | N. K. Srivastava, Sneha Rawat | Accepted | 2020 |
| Book Chapter | Industrial Wastewater: Pollutants, Treatment and Disposal, Degradation of phenol using electrocoagulation and advance oxidation process | Nova Science Publishers Inc., New York, USA | N. K. Srivastava, Monica Ranga and S. Bajpai | Accepted | 2020 |
| Book | Treatment of Reverse Osmosis Concentrates: Optimization using Cobalt and Nickel Nanoparticles | Lambert Academic Publishing, Germany | N. K. Srivastava, Amal G. S. | 978-620-2-53120-7 | 2020 |
| Book | Studies on Removal of Cr(VI) from Wastewater: Characterization and Optimization using Nanoparticles | Lambert Academic Publishing, Germany | N. K. Srivastava | 978-620-2-52205-2 | 2020 |
| Book Chapter 9 | Advances in Nanotechnology, "Synthesis of Manganese oxide nanoparticles using similar process and different precursors-A comparative study" | Nova Science Publishers Inc., New York, USA | Parmvir Singh, Rishab Jain, Nirmal Kumar Srivastava, Kaushik Shandilya and Jayendra Solanki | ISBN: 978-1-634 82-367-8 | 2015 |

Events Organized :

| Category | Type | Title | Venue | From | To | Designation |
|--------------------------|---------------|---|---|------------|------------|--|
| Technical Event | National | TechNITi 2016, Annual Techno-Managerial Event | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 20-10-2016 | 23-10-2016 | Coordinator, Technical Events |
| International Conference | International | 8th IEEE International Conference on Power and Energy Systems ICPEs 2018 | Galadari Hotel, Colombo, Sri Lanka http://www.icpes.org | 21-12-2018 | 22-12-2018 | Member of Technical Committee |
| International Conference | International | International Conference on Smart Power and Internet Energy Systems SPIES 2019 | Deakin University, Melbourne, Australia http://www.icspies.org/SPIES2019.html | 25-04-2019 | 27-04-2019 | Member of Scientific Advisory Committee |
| International Conference | International | 8th International Conference on Smart Cities and Green ICT Systems SmartGreens 2019 | Heraklion, Crete, Greece http://www.smartgreens.org | 03-05-2019 | 05-05-2019 | Member of Program Committee |
| International Conference | International | 6th Global Conference on Polymer and Composite Materials PCM 2019 | Chulalongkorn University, Bangkok, Thailand http://www.cpcmconf.org/ | 08-07-2019 | 11-07-2019 | Member of Program Committee |
| International Conference | International | 7th Annual Sustainable Development Conference SDC 2019 | Hotel Aetas Lumpini, Bangkok, Thailand http://www.sdconference.org/sdc2019.html | 07-07-2019 | 09-07-2019 | Member of Scientific Committee |
| International Conference | International | International Conference on Metals and Alloys CMA 2019 | Hotel Sunworld, Beijing, China http://www.cmaconf.org | 19-08-2019 | 22-08-2019 | Member of International Scientific Committee |
| International Conference | International | 9th IEEE International Conference on Power and Energy Systems ICPEs 2019 | Murdoch University, Perth, Australia http://www.icpes.org/ | 10-12-2019 | 12-12-2019 | Member of Technical Committee |
| National Conference | National | Centre of Chemistry and Chemical Excellence CCCE Chemical Conferences | organized by STM Journals, Noida, India | 19-12-2018 | 19-12-2018 | Member of Advisory Committee |
| National Conference | National | Centre of Chemistry and Chemical Excellence CCCE Chemical Conferences | organized by STM Journals, Noida, India | 20-02-2019 | 20-02-2019 | Member of Advisory Committee |

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|--|---------------|---|--|------------|------------|---|
| Global Initiative of Academic Networks (GIAN) Course | International | Chemical Process Safety and Hazard Management | Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India. Invited Dr. Genserik Reniers, Full professor at Delft University of Technology, The Netherlands and Full Professor at University of Antwerp, Belgium. | 20-11-2017 | 24-11-2017 | Coordinator |
| Workshop | National | Academic Environment in Higher Technical Education: Future Perspectives | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 30-09-2016 | 01-10-2016 | Coordinator |
| Seminar | National | Industry Institute Interaction Programme | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 05-03-2016 | 06-03-2016 | Coordinator |
| Congress and Seminar | National | ISTE Engineering Education Congress and National Seminar on Sustainability of Engineering Education | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 26-03-2015 | 27-03-2015 | Joint Organizing Secretary |
| International Conference | International | 9th International Conference on Smart Cities and Green ICT Systems SmartGreens 2020 | Vienna House Diplomat, Prague, Czech Republic http://www.smartgreens.org | 02-05-2020 | 04-05-2020 | Member of International Program Committee |
| International Conference | International | 5th GoGreen Summit & the Remedies for Climate Change | Holiday Inn Singapore Atrium, Singapore | 18-10-2019 | 19-10-2019 | Member of International Advisory Board |
| International Conference | International | 2nd World Conference on Multidisciplinary Research & Innovation WCMRI-19 | Holiday Inn Singapore Atrium, Singapore | 24-10-2019 | 25-10-2019 | Member of Program Committee |
| International Conference | International | 21st World Conference on Applied Science Engineering and Technology WCASET 2019 | Surrey, Vancouver, Canada | 29-08-2019 | 30-08-2019 | Member of International Advisory Board |
| International Conference | International | International Conference on Recent Trends in Engineering, Management and Science | Delhi Institute of Technology & Research, Faridabad, Haryana, India | 26-09-2019 | 27-09-2019 | Member of Scientific Committee |

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|---|---------------|---|--|------------|------------|--|
| International Conference | International | 5th Global Nanotek Summit BLGNC 2019 | Hotel Holiday Inn Express, Kuala Lumpur, Malaysia https://nanotech.biologues.com | 27-11-2019 | 28-11-2019 | Member of International Advisory Committee |
| Global Initiative of Academic Network (GIAN) Course | International | Heterogeneous Catalysts for Industrial Applications | Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Invited Dr. Ajay Dalai, Professor at University of Saskatchewan, Saskatoon, SK Canada. | 08-07-2019 | 12-07-2019 | Coordinator |
| International Conference | International | Nanosphere UAE 2020 | Hotel Flora Creek Deluxe, Dubai, UAE https://nanoteksummit.com/ | 18-03-2020 | 19-03-2020 | Member of International Review Committee |
| International Conference | International | 10th IEEE PES Innovative Smart Grid Technologies Conference-Asia ISGT-Asia 2020 | Murdoch University, Perth, Australia | 23-11-2020 | 27-11-2020 | Member of Technical Committee |

Professional Affiliations :

| Designation | Organization |
|---|--|
| Life Member LM-47598 | Indian Institute of Chemical Engineers (IChE), Kolkata, India |
| Life Member L/880/11 | International Congress of Environmental Research (ICER) Bhopal, India |
| Life Member ID-1132 | Alumni Association, Harcourt Butler Technological Institute (HBTI), Kanpur, India |
| Life Member | Journal of Indian Leather Technologists' Association (ILTA), Kolkata, India |
| Life Member | Alumni Association, Indian Institute of Technology Roorkee (IITR), Roorkee, India |
| Member of Editorial Board | Journal of Today's Ideas – Tomorrow's Technologies, an Open Access Bi-annually Peer Reviewed Refereed Journal, ISSN No. Print: 2321-3906 ISSN No. Online: 2321-7146, published by Chitkara University, Chandigarh, India |
| Member of Editorial Board | Journal of Water Pollution and Purification Research, eISSN: 2394-7306, STM Journals, Consortium eLearning Networks Pvt. Ltd., Noida, India |
| Member of Board of Studies of the Department of Chemical Engineering | University Institute of Engineering, Chandigarh University, Mohali, Punjab, India |
| Member of Board of Studies of the Department of Petroleum Engineering | University Institute of Engineering, Chandigarh University, Mohali, Punjab, India |
| Member of Review Committee | Gandhian Young Technological Innovation (GYTI) Award given by Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Ahmedabad, Gujarat, India. |
| Member of Expert Committee | National Meritorious Invention Awards given by National Research Development Corporation (NRDC), An Enterprise of DSIR, Ministry of Science & Technology, Government of India, New Delhi |
| Professional Membership | Institute for Engineering Research and Publication (IFERP), Chennai, India |

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| National Committee Member "Liquid Waste Management" 'Subject Expert Group' | Unnat Bharat Abhiyan, Ministry of Human Resource Development, Government of India |
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PhD Supervised :

| Scholar Name | Research Topic | Status | Year | Co-Supervisor |
|--------------|---|----------|------|-----------------|
| Amit Kumar | A study on removal of colour from paper industry wastewater using biochar derived from zero liquid discharge sludge | On-going | 2017 | Dr. Poonam Gera |
| Vikas Kumar | Study the Removal of organophosphate pesticide residues Malathion from aqueous stream using Nanofiltration process | On-going | 2017 | Dr. S. Bajpai |

Admin. Responsibilities :

| Position Held | Organization | From | To |
|--|--|------------|-----------|
| Head, Department of Chemical Engineering | Dr. B. R. Ambedkar National Institute of Technology | 2014 | 2015 |
| Head, Department of Chemical Engineering | Dr. B. R. Ambedkar National Institute of Technology | 2017 | 2017 |
| Coordinator, Technical Events | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 2016 | 2017 |
| Post Graduate Coordinator | Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 2015 | |
| Examination and Result Coordinator | Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 2014 | |
| Faculty Advisor of Chemical Engineering Students' Society | Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 2008 | 2012 |
| Faculty Advisor of Society of Leather Technologists | Department of Leather Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 1998 | 2005 |
| Faculty in-Charge of Analytical and Instrumentation Laboratory | Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 2012 | Till date |
| Member, Institute Library Committee | Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India | 2018 | 2019 |
| Nodal Officer Procurement, TEQIP-III | Dr. B. R. Ambedkar National Institute of Technology, Jalandhar | 20-02-2020 | Till date |

Award and Honours :

| Title | Activity | Given by | Year |
|--|-------------------------------|---|------|
| Certificate of Outstanding Contribution in Reviewing | Elsevier Reviewer Recognition | Editors of Bioresource Technology, Elsevier, Amsterdam, The Netherlands | 2017 |
| Certificate of Reviewing | Elsevier Reviewer Recognition | Editors of Journal of Advanced Research, Elsevier, Amsterdam, The Netherlands | 2014 |

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| Certificate of Reviewing | Elsevier Reviewer Recognition | Editors of Journal of Hazardous Materials, Elsevier, Amsterdam, The Netherlands | 2011 |
| Listee in Marquis Who's Who in the World | Contribution in Science and Technology | Marquis Who's Who, New Jersey, USA | 2010 |
| Chairman, Board of Governors Silver Medal | Overall Branch Topper in B. Tech. | Harcourt Butler Technological Institute (HBTI) Kanpur, India | 1998 |
| Prof. K. K. Nigam Memorial Silver Medal | Overall Branch Topper in B. Tech. | Harcourt Butler Technological Institute (HBTI) Kanpur, India | 1998 |
| Institute Merit Scholarship | Branch Topper every year in B. Tech. | Harcourt Butler Technological Institute (HBTI) Kanpur, India | 1993-1997 |
| Certificate and Prize Money | Securing 16th Rank in the State Merit List in Class 10+2 | UP State Education Board, Allahabad, India | 1992 |
| Certificate and Prize Money | Securing 16th Rank in the State Merit List in Class 10+2 | Rotary Club, Kanpur, India | 1992 |
| Certificate and Prize Money | Securing 16th Rank in the State Merit List in Class 10+2 | Dridhomar Vaishya Samaj, Kanpur, India | 1992 |
| State Merit Scholarship | Meritorious student in Class 10 | UP State Education Board, Allahabad, India | 1990 |
| Integrated Merit Scholarship | Meritorious students in Class 8 | UP State Education Board, Allahabad, India | 1988 |