





**UNIVERSITY SCHOOL OF ENVIRONMENT MANAGEMENT**  
**Guru Gobind Singh Indraprastha University**





**DATA OF PH.D RESEARCH SCHOLARS OF THE SCHOOL (AWARDED/SUBMITTED)**

| S.No. | Photograph   | Name of the Scholars  | Enrolment No.     | Research Title  | Guide Name/Mentor  | Remarks / Status & Date of Award |
|-------|--|-----------------------|-------------------|---|--|----------------------------------|
| 1     |  | Sh. K.Salim Ali       | 184/Ph.D/ USEM/06 | Civil Society Conflict Index & Its Tool Kit.  | Prof. Amarjeet Kaur,<br>Supervisor<br>Prof.K.K. Aggarwal,<br>Co-Supervisor | Awarded<br>26.03.2015            |
| 2     |  | Sh. Raj Kishore Singh | 212/Ph.D/USEM/06  | Leaching Study of Trace Elements from Ash Ponds of Coal based thermal power plants and its impact on quality of surface and ground water in the flood plain area of River Yamuna, Delhi | Prof. N.C. Gupta,<br>Supervisor<br>Prof. B.K. Guha,<br>Co-Supervisor       | Awarded<br>19.12.2013            |
| 3     |  | Ms. Neha Gera         | 219/Ph.D/USEM/06  | Sodar Studies of Atmospheric Boundary Layer and Environment Applications.   | Dr. N.C. Gupta,<br>Supervisor<br>Dr. V. Mohanan,<br>Co-Supervisor          | Awarded<br>26.03.2015            |

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|---|---|--------------------------------------|-------------------|--|--|-----------------------|
| 4 |    | Mr. Khuraijam<br>Jibankumar<br>Singh | 222/PhD/USBAS/07  | Investigations on the<br>Cycladales of Eastern<br>Ghats and Northeast India  | Prof. Rita Singh,<br>Supervisor  | Awarded<br>04.03.2014 |
| 5 |    | Ms. Sangeeta Bansal                  | 256/Ph. D/USEM/07 | Assessment of Temporal<br>Variability in Methane<br>Emissions from Wetlands<br>of Uttar Pradesh, India<br>using Geospatial<br>Techniques | Prof. J.K. Garg,<br>Supervisor<br>Dr. Deeksha Katyal<br>Co-Supervisor  | Awarded<br>27.10.2016 |
| 6 |   | Ms. Samreen<br>Quareshi              | 327/Ph.D/USEM/08  | Ecological<br>Characterization<br>of the River Yamuna in the<br>Tejewala to Wazirabad<br>Stretch   | Prof. J.K. Garg,<br>Supervisor   | Awarded<br>27.08.2015 |
| 7 |  | Mr. Amrik<br>Bhattacharya            | 328/Ph.D./USEM/08 | Bioremediation of<br>phenolics and heavy<br>metals by using<br>microorganism(s)  | Dr. Anshu Gupta,<br>Supervisor<br>Prof. Amarjeet Kaur,<br>Co-Supervisor<br>Dr. Darshan Malik,<br>Co-Supervisor | Awarded<br>14.03.2016 |





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|----|---|--------------------------|------------------|--|--|-----------------------|
| 8  |    | Ms. Tarannum Bano        | 333/Ph.D/USEM/08 | Effects of atmospheric black carbon aerosols on Solar flux reaching the earth surface in UV and visible region.      | Dr. N.C.Gupta,<br>Supervisor<br>Dr. Sachchidananda Singh,<br>Co-Supervisor | Awarded<br>26.03.2015 |
| 9  |    | Mr. V.M. Nataraj         | 334/Ph.D/USEM/08 | Estimation of Fertilizer contamination of groundwater in Pravara command, of Ahmednagar District using index mapping | Dr. Deeksha Katyal,<br>Supervisor<br>Dr. Sunil Gomtiwar,<br>Co-Supervisor  | Awarded<br>11.12.2017 |
| 10 |   | Mr. Prabhat Kumar Tanwar | 90055050110      | Study of Green House Gas Emission Potential from Rice-Wheat Cropping System of the Indo-Gangetic Region”             | Prof. N.C Gupta,<br>Supervisor   | Awarded<br>23.04.2019 |
| 11 |  | Mr. Pramod Kumar         | 90056050110      | Study of Aerosol Optical properties and Fine Mode Fraction Variations over Delhi Using MODIS data                    | Prof. N.C.Gupta,<br>Supervisor   | Awarded<br>26.09.2018 |

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|----|---|------------------------|-------------|--|--|--------------------|
| 12 |    | Mr. Kuldeep Srivastava | 90018050111 | Study of Climate Change using Lichen as Natural Indicator in the State of Uttarakhand                                | Prof. Prodyut Bhattacharya, Supervisor | Awarded 18.09.2019 |
| 13 |    | Ms. Parul Gupta        | 90021050111 | Green cover and ground water relationship with respect to urbanization in Delhi.                                     | Dr. Kiranmay Sarma, Supervisor         | Awarded 17.02.2017 |
| 14 |    | Mr. Pipas Kumar        | 90022050111 | Climate Change Impact Assessment on the Upper Watershed of River Subarnarekha in Jharkhand, India                    | Prof. Varun Joshi, Supervisor          | Awarded 20.11.2019 |
| 15 |   | Mr. Prabir Kumar Dash  | 90016050212 | Estimation and Comparative Analysis of Energy output from different Photo-Voltaic Modules in various Indian Climates | Prof. N.C.Gupta, Supervisor            | Awarded 18.09.2019 |
| 16 |  | Ms. Priya Bhalla       | 90017050212 | Ecotourism Impact Assessment on Binsar Wildlife Sanctuary of Uttarakhand, India                                      | Prof. Prodyut Bhattacharya, Supervisor | Awarded 27.12.2018 |





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|----|--|--------------------|-------------|--|---|-----------------------|
| 17 |   | Ms. Simpy Singh    | 90020050212 | Assessment of Aerosol Abatement capacity of selected plant species in Urban Green Spaces, Delhi                        | Prof. N.C.Gupta,<br>Supervisor<br>Prof. P. Bhattacharya,<br>Co-Supervisor | Awarded<br>23.04.2019 |
| 18 |   | Ms. Seema Yadav    | 90021050212 | Study on factors impacting Natural Regeneration of selected NTFPs in dry deciduous forests of Central India            | Prof. Prodyut Bhattacharya,<br>Supervisor                                 | Awarded<br>23.04.2019 |
| 19 |   | Ms. Richa Bhardwaj | 90022050212 | A Quantitative assessment of heavy metal resistance of fecal indicator bacteria in River Yamuna system in Delhi, India | Prof. J.K.Garg,<br>Supervisor<br>Dr. Anshu Gupta,<br>Co-Supervisor        | Awarded<br>14-08-2018 |
| 20 |  | Ms. Ridhi Saluja   | 90023050212 | Wetland condition assessment using in-situ hyperspectral and orbital multispectral remote sensing data                 | Prof. J.K.Garg,<br>Supervisor   | Awarded<br>18.02.2019 |

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|----|---|--------------------------|-------------|---|--|--------------------|
| 21 |  <p>Dr Liveleen K Kahlon<br/>Associate Director, Environment Education and Awareness</p> | Ms. Liveleen Kaur Kahlon | 90028050212 | International Assessment of Traditional Ethnoecological Knowledge in Rural and Tribal Vision of Northern Odisha, India  | Prof. Rita Singh, Supervisor                                       | Awarded 20.11.2019 |
| 22 |    | Dr. Tapasya Tomer        | 90029050212 | A predictive modeling approach to assess the groundwater pollution vulnerability in integration with water quality index (WQI) using GIS technique in Delhi region. | Prof. Varun Joshi Supervisor<br>Dr. Deeksha Katyal Co-Supervisor   | Awarded 18.02.2019 |
| 23 |    | Ms. Nida Rizvi           | 90030050212 | Characterization of water quality of River Hindon by using different water quality indices and GIS technique  | Prof. Varun Joshi, Supervisor<br>Dr. Deeksha Katyal, Co-Supervisor | Awarded 18.02.2019 |
| 24 |   | Ms. Maya Kumari          | 90032050212 | Impact assessment of Coal-Fired thermal power plants on environment: A case study of Singrauli district, Madhya Pradesh   | Dr. Kiranmay Sarma, Supervisor                                     | Awarded 18.09.2019 |





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|----|--|-------------------|-------------|--|---|-----------------------|
| 25 |   | Ms. Anjum Singhal | 90038051213 | Green Synthesis of silver Nanoparticles, their Characterization and Applicability: An Environmentally Benign Approach      | Dr. Anshu Gupta,<br>Supervisor  | Awarded<br>11.11.2020 |
| 26 |   | Ms. Ayesha Khosla | 90039051213 | Study on Governance Practices of Forest Rights Act in the State of Tripura   | Prof. Prodyut Bhattacharya,<br>Supervisor                               | Awarded<br>16.07.2021 |
| 27 |   | Mr. Manish Joshi  | 90042051213 | Ecology and Habitat Suitability of Desert Monitor lizard <i>Varanus griseus koniecznyi</i> in the Thar Desert of Rajasthan | Dr. Sanjay K.Das,<br>Supervisor<br>Dr. Kiranmay Sarma,<br>Co-Supervisor | Awarded<br>27.01.2021 |
| 28 |  | Ms. Monalisa Paul | 90043051213 | Studies on Biotic Interactions of Lepidoptera in Urban Landscapes of National Capital Territory of Delhi                   | Dr. Sanjay K.Das,<br>Supervisor<br>Prof. Rita Singh,<br>Co-Supervisor   | Awarded<br>18.06.2019 |



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|----|--|------------------------|-------------|--|---|--------------------|
| 29 |   | Ms. Rajlakshmi Mishra  | 90044051213 | Diversity and Conservation status of bats in urban greenspaces of NCT of Delhi   | Dr. Sumit Dookia, Supervisor<br>Prof. Prodyut Bhattacharya, Co-Supervisor | Awarded 15.11.2021 |
| 30 |   | Ms. Seema Joshi        | 90046051213 | Leveraging Geo-Spatial Technologies for Disaster Risk Reduction and Building Resilient communities in Mandakini Valley, Uttarakhand              | Prof. J.K.Garg, Supervisor<br>Prof. Amarjeet Kaur, Co-Supervisor          | Awarded 11.04.2022 |
| 31 |   | Ms. Vigil Wilson       | 90049051213 | Ecology of Desert Fox ( <i>Vulpes vulpes pusilla</i> ) in Thar Desert of Rajasthan, India  | Dr. Sumit Dookia, Supervisor  | Awarded 02.11.2020 |
| 32 |  | Mr. Ashish Kumar Panda | 90070050114 | Analysis of Climatic Risks, Vulnerability and Adaptation Strategies for Disaster Resilience in Uttarakhand Himalayas: A Study of Almora District | Prof. Amarjeet Kaur, Supervisor<br>Dr. Anil K.Gupta, Co-Supervisor        | Awarded 25.02.2022 |



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|----|--|----------------------|-------------|---|---|-----------------------|
| 33 |   | Ms. Charu Tyagi      | 90072050114 | Radiative forcing due to Black carbon and other Aerosols and their characterization in NCR Delhi                                      | Prof. N.C.Gupta, Supervisor<br>Dr. Kiranmay Sarma, Co-Supervisor  | Awarded<br>30.03.2021 |
| 34 |   | Ms. Minakshi Karwal  | 90075050114 | Solid waste stabilization and potential GHG mitigation using Vermitechnology  | Prof. Anubha Kaushik, Supervisor                                  | Awarded<br>13.07.2021 |
| 35 |   | Ms. Pratyansha Singh | 90076050114 | A study on captivity and management of Manipur brow-antlered Deer (Rucervus eldii eldii) in National Zoological Park, New Delhi       | Prof. Amarjeet Kaur, Supervisor                                   | Awarded<br>27.01.21   |
| 36 |  | Ms. Priyanka Kumari  | 90077050114 | Study of Solid Waste Management at Ghazipur Landfill Site with respect to leachate and heavy metal removal using Ion Exchange Process | Prof. Amarjeet Kaur, Co-Supervisor<br>Prof. N.C.Gupta, Supervisor | Awarded<br>14/12/2021 |

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|----|--|------------------------|-------------|---|--|-----------------------|
| 37 |   | Mr. Sanjay Kumar Tomar | 90079050114 | Fire Risk Assessment and Mitigation in South-West Division of Delhi                                       | Prof. Amarjeet Kaur, Supervisor<br>Dr. H.K.Dangi, Co-Supervisor    | Awarded<br>18.02.2019 |
| 38 |   | Mr. Satish Prasad      | 90080050114 | Riverine Landscape Dynamics and Integrity of Upper Ganga River Stretch, A Ramser Site                     | Prof. J.K. Garg, Supervisor<br>Prof. Varun Joshi, Co-Supervisor    | Awarded<br>03.08.2021 |
| 39 |   | Ms. Vandana Singh      | 90081050114 | Treatment of Greywater Using Low Cost Treatment Technology to its Reuse                                   | Prof. Amarjeet Kaur, Supervisor<br>Prof. N.C.Gupta, Co-Supervisor  | Awarded<br>14.12.2020 |
| 40 |  | Ms. Yogita Prabhakar   | 90082050114 | Bioremediation of dye containing wastewater using an alkaliphillic bacterium Nesterenkonia lacusekhoensis | Prof. Anubha Kaushik, Supervisor<br>Dr. Anshu Gupta, Co-Supervisor | Awarded<br>08.10.2020 |

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|----|---|---------------------|-------------|---|--|-----------------------|
| 41 |                      | Ms. Aradhana Singh  | 90059051215 | Optimizing Microbial Fuel Cell performance for simultaneous energy generation and wastewater treatment  | Prof. Anubha Kaushik, Supervisor                           | Awarded<br>07.07.2021 |
| 42 |                      | Ms. Utkarsha Pathak | 90072051215 | Effects of Exposure to Indoor Air Pollution from Biomass Fuel Smoke on Pulmonary Health in Women of Rural-Urban Indian Villages                             | Dr. N.C. Gupta, Supervisor<br>Dr. J.C. Suri, Co-Supervisor | Awarded<br>28.12.2020 |
| 43 |                     | Ms. Anchal Garg     | 116391016   | Study of Polycyclic Aromatic Hydrocarbons, Volatile Organic Compounds and Particulate Matter in urban atmosphere of Delhi and their associated Health Risks | Prof. N.C.Gupta, Supervisor                                | Awarded<br>08.09.2021 |
| 44 | <br>GAJENDRA SINGH | Mr. Gajendra Singh  | 90040051213 | Taxonomy and habitat assessment of bat fauna in Thar Desert of Rajasthan, India   | Dr. Sumit Dookia, Supervisor                               | Thesis Submitted      |

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|----|---|-------------------|-------------|---|--|------------------|
| 45 |  | Ms. Mandeep Kaur  | 90041051213 | An Ecosystem Approach to Study Biodiversity of Talchhappar Wildlife Sanctuary With Assessment of Threats and Ecotourism Potential | Dr. Sanjay K.Das,<br>Supervisor<br>Dr. Kiranmay<br>Sarma,<br>Co-Supervisor | Thesis Submitted |
| 46 |  | Ms. Sakshi Nangia | 616391016   | Biopolymers for dye removal and agricultural applications   | Dr. Diksha Katyal<br>Supervisor Prof.<br>Sudhir G. Warkar                  | Thesis Submitted |