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**List of Ph.D., D.Sc. & M.Phil. Thesis  
Submitted from GBPNIHE  
From 1992 to 2023  
(Year-wise)**

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*Compiled by:*

**Mahesh Chandra Sati**



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**Kosi-Katarmal, Almora - 263643 (Uttarakhand) India**

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| <b>Year of Submission /Awarded</b> | <b>Title of Ph. D. Thesis</b>   | <b>Name of the Student/Scholar</b> | <b>Name &amp; Address of Supervisor(s)</b>  | <b>University/Institute where it was submitted</b> | <b>Subject</b> |
|------------------------------------|---|------------------------------------|---|--|----------------|
| 2023                               | Physico-chemical characterization of Traditional Horsegram and Barnyard Millet products of Uttarakhand for Minerals, Vitamins and Antinutrients     | Smita Rana                         | Dr. N.S.Bhandari<br><b>(Supervisor)</b><br>SSJ University, Almora<br>Dr. Vasudha Agnihotri<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora   | Kumaun University<br>Nainital, Uttarakhand         | Chemistry      |
| 2022                               | Investigating Eco-physiological variability and development of Propagation packages for Paeonia Emodi Wall. Ex Royle                                | Kuldeep Joshi                      | Dr. I.D. Bhatt<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand         | Biotechnology  |
| 2022                               | Source specific variability in morphological, biochemical and genetic attributes of Dactylorhiza hatagirea (D. Don) Soo in the West Himalaya, India | Laxman Singh                       | Dr. S. K. Nandi<br>Dr. I. D. Bhatt<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Prof. A. K. Bisht<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand         | Botany         |
| 2022                               | Microbial degradation of bis-phenol A and estriol using psychrotrophic bacteria   | Pooja Thathola                     | Dr. Anita Pandey<br><b>(Supervisor)</b><br>Graphic Era (Deemed to be University), Bell Road, Clement Town, Dehradun<br>Dr. Vasudha Agnihotri<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Santosh K. Upadhyay<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand         | Biotechnology  |

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|------|--|----------------|---|--|---------------|
| 2022 | Assessment of Bioactive potential and DNA damage preventive activity of selected wild fruits of West Himalaya, India | Pushpa Kewlani | Dr. I.D. Bhatt<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                             | Kumaun University<br>Nainital, Uttarakhand | Biotechnology |
| 2022 | Patterns of Plant Invasion along Elevational and Disturbance gradients in the Forests of Kumaun Himalaya             | Ravi Pathak    | Prof. Anil Kumar Yadava<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. I.D. Bhatt<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora               | Kumaun University<br>Nainital, Uttarakhand | Forestry      |
| 2022 | Vulnerability Assessment and Management implications in Selected Forests of Pithoragarh District in Kumaun Himalaya  | Shinny Thakur  | Prof. Anil Kumar Yadava<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. I.D. Bhatt<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora               | Kumaun University<br>Nainital, Uttarakhand | Forestry      |
| 2022 | Tofu preparation using Himalayan Black Soybean (Nutritional, Anti-nutritional, and Microbial assessment)             | Sofiya Anjum   | Dr. Anita Pandey<br>Dr. Vasudha Agnihotri<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Veena Pandey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Microbiology  |

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|------|---|---------------|--|--|---------------|
| 2021 | Bioprospection of root associated endophytes in Himalayan Birch ( <i>Betula utilis</i> D. Don) from North Western Himalaya                    | Khasti Dasila | Dr. Anita Pandey<br><b>(Supervisor)</b><br>Graphic Era (Deemed to be University), Bell Road, Clement Town, Dehradun<br>Dr. S.S. Samant<br><b>(Co-Supervisor)</b><br>Director HFRI<br>Shimla, Himachal Pradesh<br>Dr. Veena Pande<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Biotechnology |
| 2021 | Phytosociological attributes, niche modeling and variability of different oak species oks the Kumaun Himalaya                                 | Poonam Mehta  | Dr. Subrat Sharma<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora   | Kumaun University<br>Nainital, Uttarakhand | Botany        |
| 2021 | Assessment of Floristic Diversity and Rarity patterns along the Altitudinal Gradient in the Forested Landscapes of West Himalaya              | Renu Rawal    | Prof. L.M. Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. R.S. Rawal<br>Dr. I.D. Bhatt<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora  | Kumaun University<br>Nainital, Uttarakhand | Botany        |
| 2020 | A comparative study on floristic diversity and ecosystem services in Valley of Flowers and Great Himalayan National Parks of Western Himalaya | Monika Bisht  | Dr. K. Chandra Sekar<br><b>(Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Dhani Arya<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University<br>Nainital, Uttarakhand | Botany        |

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|------|--|-------------------|---|--|---------------|
| 2020 | Antimicrobial potential of Himalayan Yew.<br>Taxus wallichiana Zucc.   | Priyanka Adhikari | Dr. Anita Pandey<br><b>(Supervisor)</b><br>Graphic Era (Deemed to be University), Bell Road, Clement Town, Dehradun<br>Dr. Vasudha Agnihotri<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Biotechnology |
| 2020 | Source specific variability in genetic makeup, propagation responses and change sensitivity of selected rare and threatened Plants in Kumaun West Himalaya | Renu Suyal        | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>Dr. I.D. Bhatt<br><b>(Co-Supervisor)</b><br>GBPNIHE,<br>Kosi- Katramal, Almora<br>Prof. L.M. Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University<br>Nainital, Uttarakhand | Botany        |
| 2019 | Biotechnological applications of Ecologically Resilient Thermophilic Strains of bacillus SPP Isolated from Hot Springs of Himalaya                         | Ashish Dhyani     | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University<br>Nainital, Uttarakhand | Biotechnology |

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|------|--|-----------------|--|---|-----------------------|
| 2019 | Ecotourism Assessment, Environmental Impacts and Sustainable Management options in and around the Great Himalayan National Park, India                                   | Sarla Shashni   | Dr. J.M. Julka<br><b>(Supervisor)</b><br>Shoolini University of Biotechnology and Management Science, Bajhol, Solan, Himachal Pradesh<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora | Shoolini University of Biotechnology and Management Science, Bajhol, Solan (H.P.) | Environmental Science |
| 2018 | Altitudinal and habitat dependent variations in morphology and phytochemical diversity of apple ( <i>Malus x domestica</i> Borkh) cultivars in Uttarakhand               | Amit Bahukhandi | Dr. I.D. Bhatt<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora   | Uttarakhand Technical University, Dehradun  | Biotechnology         |
| 2018 | Ecological Assessment, Valuation and Conservation Prioritization of Floristic Diversity in Kalatopkhajjar Wildlife Sanctuary of Himachal Pradesh, North Western Himalaya | Ashish Kumar    | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand  | Botany                |
| 2018 | Impact of Anthropogenic and Climate induced perturbations on regeneration potential of Oak Forests in Kumaun Himalaya  | Meenakshi Negi  | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand  | Botany                |
| 2018 | Biotechnological and ecological approaches for conservation of <i>Paris polyphylla</i> Smith, an important medicinal herb of the Indian Himalayan Region                 | Mohd. Tariq     | Dr. S. K Nandi<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora  | Kumaun University<br>Nainital, Uttarakhand  | Biotechnology         |

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|------|--|---------------|--|--|----------|
| 2018 | Climate change impact on phenological responses of dominant tree species of Central Himalayan forests  | Pradeep Singh | Dr. G.C.S. Negi<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora<br><b>Dr. Ashish Tewari</b><br>Kumaun University<br>Nainital, Uttarakhand                | Kumaun University<br>Nainital, Uttarakhand | Forestry |
| 2017 | Ecological assessment of timberline vegetation with special reference to <i>Betula utilis</i> D. Don forests in Nanda Devi Biosphere Reserve, Western Himalaya | Ajay Maletha  | Prof. S.S. Bargali<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. R.K. Maikhuri<br><b>(Co-Supervisor)</b><br>GBPNIHESD, Garhwal           | Kumaun University<br>Nainital, Uttarakhand | Forestry |
| 2017 | Ecological Study of Certain Medicinal Plants of Cold Desert Biosphere Reserve, Trans Himalaya, with Special Reference to their Antioxidant Potential           | Deepti Negi   | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Botany   |
| 2017 | An assessment of Agasthyamalai Biosphere Reserve in Western Ghats using Remote Sensing & GIS for conservation effectiveness                                    | Kalloli Dutta | Dr. Subrat Sharma<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. C.S. Reddy<br><b>(Co-Supervisor)</b><br>NRSC Hyderabad                         | Forest Research<br>Institute, Dehradun     | Forestry |
| 2017 | Assessment, Characterization and Conservation Prioritization of Floristic Diversity of the Cold Desert Biosphere Reserve in Trans Himalaya                     | Lipika Sharma | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Botany   |

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|------|---|---------------|---|--|------------------------|
| 2017 | Study on Floristic Diversity Assessment, Monitoring and Prioritization in Great Himalayan National Park, North Western Himalaya For Management Implications | Monika Bodh   | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand      | Kumaun University<br>Nainital, Uttarakhand | Botany                 |
| 2017 | Pigment production in psychrotolerant Penicillium spp. isolated from Indian Himalayan Region  | Neha Pandey   | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Sushma Tamta<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand | Biotechnology          |
| 2017 | Lipases from psychrotolerant bacterial isolates of Indian Himalayan region  | Rahul Jain    | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University<br>Nainital, Uttarakhand | Biotechnology          |
| 2017 | Strategic Environmental Assessment (SEA) of Hydroelectric Projects (HEPs) for Sustainable Development in Satluj Basin, Himachal Pradesh                     | Rohit Chauhan | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. D.C. Pandey<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand     | Kumaun University<br>Nainital, Uttarakhand | Environmental Sciences |



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|------|--|-----------------|---|--|---------------|
| 2017 | Development of Propagation Protocols and Optimization of Berberine production in selected Berberis Species of Uttarakhand, West Himalaya, India  | Tarun Belwal    | Dr. I.D. Bhatt<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande<br>Kumaun University<br>Nainital, Uttarakhand<br><b>(Co-Supervisors)</b> | Kumaun University<br>Nainital, Uttarakhand         | Biotechnology |
| 2016 | Studies on Medicinal Plants of Anni Khad Watershed, Kullu in Himachal Pradesh: Diversity, Indigenous Uses and Seed Ecophysiological Aspects      | Anita Kumari    | Prof. Shashi Sharma<br><b>(Supervisor)</b><br>Himachal Pradesh<br>University, Shimla (H.P.)<br>Dr. S.S. Samant<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)               | Himachal Pradesh<br>University, Shimla,<br>(H.P.)  | Bio-sciences  |
| 2016 | Impact of forest composition and changing climate on pollinators and the pollination services of apple orchards in a part of Kumaun Himalaya     | Bhawana Kapkoti | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora<br>Dr. Ashish Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                  | Kumaun University<br>Nainital, Uttarakhand         | Forestry      |
| 2016 | Characterization of psychrotolerant isolates of <i>Penicillium</i> spp with particular reference to lignolytic activity under mountain ecosystem | Kusum Dhakar    | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Sushma Tamta<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                 | Kumaun University<br>Nainital, Uttarakhand         | Biotechnology |
| 2016 | Biochemicals from <i>Ginkgo biloba</i> L. with particular reference to antimicrobials  | Priyanka Sati   | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Anju Rani<br><b>(Co-Supervisor)</b><br>Graphic Era University,<br>Dehradun                           | Graphic Era University,<br>Dehradun<br>Uttarakhand | Microbiology  |

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|------|--|-----------------|--|--|---------------------------|
| 2016 | Shifting agriculture: Issues and options with focus on adaptive intervention to make it ecologically, economically and socially viable                             | Rajiv Mili      | Prof. A.K. Das<br>Dr. R.C. Sundriyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | Ravij Gandhi University,<br>Itanagar, Arunachal<br>Pradesh | Botany                    |
| 2015 | Strategic Environmental Assessment for Sustainable Development in Hydropower Project Areas in Upper Satluj Basin, Himachal Pradesh                                 | Ajay Kumar Negi | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)   | Himachal Pradesh<br>University, Shimla, (H.P.)             | Geography                 |
| 2015 | A study of grazing pattern and forage availability for pastoral livestock in alpine meadows of the central Himalayan region under changing environmental scenarios | Nabi Kant Jha   | Prof. Debasish Das<br><b>(Supervisor)</b><br>University of Kalyani,<br>West Bengal<br>Dr. R.K. Maikhuri<br><b>(Co-Supervisor)</b><br>GBPNIHESD, Garhwal                                      | University of Kalyani,<br>Kalyani (W.B.)                   | Environmental<br>Sciences |
| 2015 | Study on assessment and prioritization of floristic diversity for conservation management in Nargu Wildlife Sanctuary, North Western Himalaya                      | Pankaj Sharma   | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                       | Kumaun University,<br>Nainital, Uttarakhand                | Botany                    |
| 2015 | Morphological, biochemical and genetic diversity of some promising delicious group of Apple cultivars in Uttarakhand, West Himalaya                                | Praveen Dhyani  | Dr. I.D. Bhatt<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Beena Pandey<br>Kumaun University<br>Nainital, Uttarakhand<br><b>(Co-Supervisors)</b> | Kumaun University<br>Nainital, Uttarakhand                 | Biotechnology             |
| 2015 | Assessment, Valuation & Conservation Prioritization of Floristic Diversity in the Trans, North West and West Himalaya <b>(D.Sc. Thesis)</b>                        | S.S. Samant     | -  | Kumaun University<br>Nainital, Uttarakhand                 | Botany                    |

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|------|---|---------------------|--|---|---------------------------|
| 2015 | Assessment of forest Carbon stock in the Sub-tropical and temperate forest of North Western Himalaya  | Shankharoop Ghoshal | Prof. K. G. Saxena<br><b>(Supervisor)</b><br>J.N.U., New Delhi<br>Dr. S.S. Samant<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)   | Jawaharlal Nehru<br>University, New Delhi               | Environmental<br>Sciences |
| 2015 | Studies on propagation and genetic variability in <i>Zanthoxylum armatum</i> DC in Uttarakhand  | Sumit Purohit       | Dr. S.K. Nandi<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | Uttarakhand Technical<br>University, Dehradun           | Biotechnology             |
| 2014 | Studies on genetic and phytochemical diversity in <i>Hedychium spicatum</i> and <i>Roscoea procera</i> in Uttarakhand   | Sandeep Rawat       | Dr. S.K. Nandi<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>Dr. I.D. Bhatt<br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande,<br>Kumaun University<br>Nainital, Uttarakhand<br><b>(Co-Supervisors)</b> | Kumaun University<br>Nainital, Uttarakhand              | Biotechnology             |
| 2013 | Assessment of environmental, economic and socio-cultural impacts of tourism in Kedarnath Wildlife Sanctuary and adjoining areas   | Abhay Bahuguna      | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Garhwal Unit, Srinagar  | Gurukul Kangari<br>University, Haridwar,<br>Uttarakhand | Environmental<br>Sciences |
| 2013 | Assessing response patterns of vegetation diversity for changes in Nanda Devi biosphere reserve, west Himalaya – <i>focusing on development of alternate scenarios for long term conservation plans</i> | Balwant Rawat       | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                                       | Kumaun University<br>Nainital, Uttarakhand              | Botany                    |

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|------|---|-------------------|--|---|---------------|
| 2013 | Studies on in vitro propagation and genetic variability in <i>Habenaria edgeworthii</i> and <i>H. intermedia</i> in Uttarakhand   | Lalit Giri        | Dr. S.K. Nandi<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>Dr. I.D. Bhatt<br>GBPNIHESD,<br>Kosi-Katramal, Almora<br>Dr. Veena Pande<br>Kumaun University<br>Nainital, Uttarakhand<br><b>(Co-Supervisors)</b>   | Kumaun University<br>Nainital, Uttarakhand  | Biotechnology |
| 2013 | Multi-spectral solar radiation extinction study through atmospheric aerosols using Multi-Wavelength Radiometer (MWR) over Mohal in Kullu-Valley, northwestern Himalaya            | Manum Sharma      | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)  | Kumaun University,<br>Nainital, Uttarakhand | Chemistry     |
| 2013 | Evaluation and Conservation Prioritization of Medicinal Plants Diversity of Kullu District in Himachal Pradesh, North-Western Himalaya  | Shalini Vidyarthi | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University<br>Nainital, Uttarakhand  | Botany        |
| 2013 | Assessment and Conservation Prioritization of Floristic Diversity for the socio-economic development of Rissa Khad Watershed in central Himachal Pradesh , North Western Himalaya | Tara Devi         | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (HP)<br>Dr. L.M. Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand  | Kumaun University,<br>Nainital, Uttarakhand | Botany        |
| 2012 | Fingerprinting genetic and phytochemical variation in <i>Valeriana jatamansi</i> and <i>V. Himalaya</i> in Uttarakhand  | Arun Kumar Jugran | Dr. S.K. Nandi<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>Dr. I.D. Bhatt<br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Veena Pande,<br>Kumaun University<br>Nainital, Uttarakhand<br><b>(Co-Supervisors)</b> | Kumaun University<br>Nainital, Uttarakhand  | Biotechnology |

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|------|--|------------------------|---|--|-------------------------------------|
| 2012 | Genomics and biotechnological applications of thermophilic bacteria isolated from a hot spring site of Garhwal Himalaya  | Avinash Sharma         | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora<br>Prof. S.C. Tiwari<br><b>(Co-Supervisor)</b><br>HNB Garhwal University                               | H.N.B. Garhwal University<br>Srinagar, Uttarakhand | Microbiology                        |
| 2012 | Population Studies and Habitat Characteristics of Swertia Chirayita (Roxb. Ex Fleming) H. Karst., A Threatened Medicinal Herb In Sikkim Himalaya, and its Conservation | Bharat Kumar Pradhan   | Dr. Hemant K. Badola<br><b>(Supervisor)</b><br>GBPNIHESD<br>Sikkim Unit<br>Pangthang-Gangtok  | University of North-Bengal (W.B.)                  | Botany                              |
| 2012 | Exploration, Multiplication and Biochemical Studies of Viburnum mullaha in Kedarnath Valley, Uttarakhand"  | Dalbeer Singh Pharswan | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal University<br>Srinagar, Uttarakhand | Biochemistry                        |
| 2012 | Quantification and valuation of some selected forest ecosystem services in the Western Himalayan region  | Gunjan Joshi           | Prof. Jeet Ram<br><b>(Supervisor)</b><br>Dr. G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora   | Kumaun University<br>Nainital, Uttarakhand         | Forestry and Environmental Sciences |
| 2012 | Status of air pollution in Kullu and Manali hill resorts, Himachal Pradesh   | Harinder Kumar Thakur  | Prof. D.C. Pandey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)              | Kumaun University<br>Nainital, Uttarakhand         | Geography                           |
| 2012 | Impact of urbanization on solid waste and air pollution in the hill towns of Himachal Pradesh: Problems, status and management   | Kesar Chand            | Dr. J.C. Kuniyal,<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Prof. D.D. Sharma<br><b>(Co-Supervisor)</b><br>Himachal Pradesh University, Summer Hill Shimla (H.P.) | Himachal Pradesh University<br>Shimla, (H.P.)      | Geography                           |

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|------|--|-------------------|---|---|--------------|
| 2012 | Geo-chemical characteristics of aerosols in northwestern Indian Himalaya   | Manum Sharma      | Prof. C.S. Mathela<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)                       | Kumaun University<br>Nainital, Uttarakhand            | Chemistry    |
| 2012 | Diversity and antagonistic properties of actinomycetes from the agricultural sites under shifting cultivation in North-East Himalaya                   | Mukesh K. Malviya | Prof. S.C. Tiwari<br><b>(Supervisor)</b><br>HNB Garhwal University,<br>Srinagar (U.K.)<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora                     | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Microbiology |
| 2012 | Spectral Aerosols Optical Depth over Mohal in Kullu Valley with special emphasis on ultrafine particles  | Nand Lal Sharma   | Prof. Mahavir Singh,<br><b>(Supervisor)</b><br>Himachal Pradesh<br>University, Summer Hill,<br>Shimla (H.P.)<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.) | Himachal Pradesh<br>University<br>Shimla (H.P.)       | Physics      |
| 2012 | Ecological Assessment of Floristic Diversity and Possible Impacts of Hydropower Projects in Kullu District of Himachal Pradesh, North-Western Himalaya | Pankaj Sharma     | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (HP)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand                             | Kumaun University<br>Nainital, Uttarakhand            | Biodiversity |
| 2012 | Agri-diversity patterns and local food systems along altitudinal gradients in Kuloor watershed, Kumaun Himalaya  | Puran S Bungla    | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora  | Kumaun University<br>Nainital, Uttarakhand            | Biodiversity |

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|------|--|--------------------|---|---|---|
| 2012 | Multi-spectral solar radiation extinction study through atmospheric aerosols using Multi-Wavelength Radiometer (MWR) over Mohal in Kullu-Valley, northwestern Himalaya | Raj Paul Guleria   | Dr. P.S. Rawat,<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)    | Kumaun University<br>Nainital, Uttarakhand            | Physics                                 |
| 2012 | Ecological Assessment and Conservation Prioritization of Floristic Diversity of the Tirthan Wildlife Sanctuary in Himachal Pradesh, North Western Himalaya             | Shalu Thakur       | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Dr. K.S. Kapoor<br><b>(Co-Supervisor)</b><br>HFRI, Panthaghati<br>Shimla (HP)               | FRI University<br>Dehradun, Uttarakhand               | Forestry                                |
| 2012 | Ecological Assessment of Floristic Diversity of the Sacred Shrines in Central Part of Himachal Pradesh, North-Western Himalaya   | Sunil Marpa        | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Dr. Ashish Tewari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand            | Biodiversity                            |
| 2011 | Application of statistical tools for analysing phonological changes over time series among selected herbaceous species of the Himalaya : A Herbarium study             | Kailash S. Gaira   | Dr. O.K. Belwal<br><b>(Supervisor)</b><br>H. N. B. Garhwal<br>University, Srinagar<br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Statistics                              |
| 2011 | Tree structure, regeneration and community dependence on timberline forests of Arunachal Pradesh in the eastern Himalaya, India  | Pijush Kumar Dutta | Prof. B. K. Dutta<br><b>(Supervisor)</b><br>Prof. A.K. Das<br>Dr. R.C. Sundriyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora                         | Assam University,<br>Silchar, Assam                   | Ecology and<br>Environmental<br>Science |

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|------|---|--------------------------|--|--|---------------|
| 2011 | Determination of lytic enzymes involved in plant diseases   | Rinita Jonathan          | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | Laboratoire de Mycologie et de phytopathologie, Institut Jules Guyot, Université de Bourgogne, Dijon, France | Biotechnology |
| 2011 | Biotechnological interventions for improvement of apple rootstocks and cultivars  | Vandana Bisht            | Dr. Uppendra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Prof. U. Palni<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand   | Botany        |
| 2010 | Diversity and potential applications of cyanobacteria associated with thermal springs of Garhwal Himalaya   | Kailash N. Bhardwaj      | Prof. S.C. Tiwari<br><b>(Supervisor)</b><br>HNB Garhwal<br>University, Srinagar<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora       | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand  | Microbiology  |
| 2010 | Techniques in Rhizosphere Microbiology  | Keshav Prasad Shukla     | Dr. Anita Pandey<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | Motilal Nehru National<br>Institute of Technology,<br>Allahabad, (U.P.)                                      | Biotechnology |
| 2010 | A Study on Prioritization and Categorization of Specific Ailments on Different High Altitude Tribal and Non-tribal Communities and Their Traditional Plant Based Treatments in Central Himalaya | Prakash Chandra Phondani | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal   | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand  | Ecology       |
| 2010 | Assessment, valuation and prioritization of floristic diversity along an altitudinal gradient in Mandi District of Himachal Pradesh, North Western Himalaya                                     | Sakshi Bhandari          | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Dr. L.M. Tiwari<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand      | Kumaun University<br>Nainital, Uttarakhand   | Botany        |



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|------|---|-------------------|---|---|---|
| 2010 | Environmental assessment of Hydropower Projects in the Kullu Valley, Himachal Pradesh   | Sanjeev Sharma    | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Prof. J.C. Sharma<br><b>(Co-Supervisor)</b><br>Himachal Pradesh<br>University, Summer Hill,<br>Shimla (H.P.) | Himachal Pradesh<br>University, Shimla<br>(H.P.)      | Geography                               |
| 2009 | Aerosols climatology characteristics study using Multi-Wavelength Radiometer (MWR), Pyranometer and Aethalometer over Mohal in the Kullu valley, northwestern Indian Himalaya | Ajay Kumar Thakur | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal -Kullu (H.P.)   | Kumaun University<br>Nainital, Uttarakhand            | Climatology                             |
| 2009 | Assessment and conservation prioritization of economically important floristic diversity in Sainj valley of Kullu district, Himachal Pradesh <b>(M.Phil. Thesis)</b>          | Anu Bali          | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)   | Vinayaka Mission<br>University, Salem, Tamil<br>Nadu  | Biodiversity                            |
| 2009 | Assessment and Conservation of NTFPs with Special Emphasis on <i>Illicium griffithii</i> for Sustainable Livelihoods of the Ethnic Communities in Arunachal Pradesh, India    | Debabrata Saha    | Prof. A.K. Das<br><b>(Supervisor)</b><br>Dr. R.C. Sundriyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora  | Assam University,<br>Silchar, Assam                   | Ecology and<br>Environmental<br>Science |
| 2009 | Assessment of Productivity, Nutrient Uptake and Nitrogenase Activity in Three Selected Mountain Legume Crops Under Mixed and Monocropping                                     | Divya Dangwal     | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Agriculture                             |
| 2009 | Investigating habitat related diversity of phytochemicals in related species of Berberis: the high value medicinal plants of west Himalaya                                    | Harish Andola     | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. M.S.M. Rawat<br><b>(Co-Supervisor)</b><br>HNB Garhwal<br>University, Srinagar                          | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Chemistry                               |

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|------|--|-------------------|---|---|---------------------------|
| 2009 | Characterization of tea clones using selected morphological, physiological, biochemical and molecular tools  | Janhvi Mishra     | Dr. Anil Prakash<br><b>(Supervisor)</b><br>Dr. L.M.S. Palni<br>Dr. S.K. Nandi<br><b>(Co-Supervisors)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora                         | Barkatullah University<br>Bhopal (M.P.)                     | Biotechnology             |
| 2009 | Role of soil macro fauna in organic matter decomposition in relation to soil fertility in district Almora.   | Madhuri Pant      | Dr. P.C. Joshi<br><b>(Supervisor)</b><br>Dr. G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora   | Gurukula Kangri<br>Vishwavidyalaya<br>Haridwar, Uttarakhand | Environmental<br>Sciences |
| 2009 | Phosphate solubilization by cold tolerant species of <i>Aspergillus</i> isolated from Himalayan soil   | Rinu K.           | Prof. S.C. Tiwari<br><b>(Supervisor)</b><br>H.N.B. Garhwal<br>University, Srinagar<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Microbiology              |
| 2009 | Assessment of plant diversity of Sandeo area of Pithoragarh district, Kumaun Himalaya  | S.C. Garkoti      | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)  | Kumaun University<br>Nainital, Uttarakhand                  | Biodiversity              |
| 2009 | Impact of Natural and Man-Made Disturbances On Vegetation Structure and Diversity in Guptakashi Range of Kedarnath Wildlife Sanctuary, Uttarakhand | Shalini Mishra    | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | FRI University<br>Dehradun<br>Uttarakhand                   | Biodiversity              |
| 2009 | Studies on Ecological and Economic Assessment of A Cluster of Villages in Rawain Valley of Central Himalaya (Uttarakhand): An Ecosystem Approach   | Vikram Singh Negi | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Ecology                   |
| 2008 | Environmental assessment in and around Koldam Hydropower Project in the North-western Himalaya, India  | Ajay Kumar Negi   | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)   | Himachal Pradesh<br>University, Shimla<br>(H.P.)            | Environmental<br>Sciences |

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|------|--|----------------|---|---|--------------|
| 2008 | Assessment of floristic diversity and prioritization of communities for conservation in Hirb & Shoja Catchments, Siraj Forest Division of Himachal Pradesh in North Western Himalaya | Aman Sharma    | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. P.C. Pande<br><b>(Co-Supervisor)</b><br>Kumaun University,<br>Nainital, Uttarakhand    | Kumaun University<br>Nainital, Uttarakhand                  | Biodiversity |
| 2008 | Assessment of plant diversity and conservation status of forest vegetation in a proposed Cold Desert Biosphere Reserve of Himachal Pradesh in North Western Himalaya                 | Ashok Singh    | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Prof. R.P. Singh<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand   | Kumaun University<br>Nainital, Uttarakhand                  | Biodiversity |
| 2008 | Spectral aerosol climatology at Mohal-Kullu, northwestern Himalayas, India <b>(M.Phil. Thesis)</b>   | Gaurav Rastogi | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal-Kullu (H.P.)   | Periyar University,<br>Tamil Nadu                           | Physics      |
| 2008 | Impact of changed land use practices on earthworm diversity in Garhwal region of western central Himalaya  | Madhuri Dobral | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | Gurukula Kangri<br>Vishwavidyalaya<br>Haridwar, Uttarakhand | Biodiversity |
| 2008 | Assessment of floristic diversity and prioritization of communities for conservation in Manali Wildlife Sanctuary of Himachal Pradesh in North Western Himalaya                      | Man Singh      | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. Y.S. Rawat<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand     | Kumaun University<br>Nainital, Uttarakhand                  | Biodiversity |
| 2008 | Assessment of diversity and conservation status of plants in Kais Wildlife Sanctuary of Himachal Pradesh in North West Himalaya  | Manohar Lal    | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)<br>Dr. Y.P.S. Pangtey<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand                  | Biodiversity |

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|------|--|---------------------|--|---|--------------------------------|
| 2008 | A comparative geo-hydrological study of some springs in Garhwal Himalaya   | Mukesh Chandra Sati | Dr. G.S. Rawat<br><b>(Supervisor)</b><br>Dr. G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora   | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Geography                      |
| 2008 | Effect of reduced tillage till age and Lantana mulching on soil microbial processes, soil fertility and crop yield in the central Himalayan mountains                              | Pramod Kumar        | Dr. P.C. Joshi<br><b>(Supervisor)</b><br>Dr. G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora   | Gurukula Kangri<br>Vishwavidyalaya<br>Haridwar, Uttarakhand | Environmental<br>Sciences      |
| 2008 | Ultrafine aerosol pollution concentrations in Kullu-Manali hill spots in the Kullu valley. Department of Chemistry <b>(M.Phil. Thesis)</b>   | Priyanka Sharma     | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.)   | Vinayaka Missions<br>University, Salem, Tamil<br>Nadu       | Chemistry                      |
| 2008 | Diversity and Field applications of Vesicular-Arbuscular Mycorrhizae associated with tea   | Shipra Singh        | Prof. P. Kaushik<br><b>(Supervisor)</b><br>Gurukul Kangri<br>University, Haridwar<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora | Gurukul Kangri<br>University<br>Haridwar, Uttarakhand       | Microbiology                   |
| 2008 | Biochemical analysis and molecular characterization of <i>Zanthoxylum armatum</i> Roxb. using RAPD markers in selected locations of Kumaun Himalaya <b>(M.Phil. Thesis)</b>        | Sumeet Sharma       | Dr. S.K. Nandi<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Environmental<br>Plant Biology |
| 2007 | Carbon pools and flux in morainic and alpine ecosystems of Central Himalaya  | Ashish Anthwal      | Dr. S.C. Joshi<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Ecology                        |
| 2007 | Exploration, Multiplication, Identification of Elite Population of Hippophae rhamnoides (Seabuckthorn) for Sustainable Rural Development of Higher Himalayan Region of Uttaranchal | Deepak Dhyani       | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal   | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand       | Sustainable<br>Development     |

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|------|---|----------------------|--|---|---------------------|
| 2007 | Development of data base and prioritization of Himalayan plant endemics   | Gayatri Mahar        | Dr. Uppendra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Prof. S.P. Singh<br><b>(Co-Supervisor)</b><br>H.N.B. Garhwal<br>University, Srinagar | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2007 | Aerosols climatology at Mohal in the Kullu valley, northwestern Himalaya, Himachal Pradesh ( <b>M.Phil. Thesis</b> )  | Manum Sharma         | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal-Kullu (H.P.)  | Periyar University,<br>Tamil Nadu, India              | Chemistry           |
| 2007 | Land use changes and its environmental impacts in cold desert environments: A case of Lahaul valley, Northwestern Himalaya  | Oinam Santaram Singh | Prof. D.C. Pandey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital (U.K.)<br>Dr. J.C. Kuniyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)       | Kumaun University<br>Nainital, Uttarakhand            | Geography           |
| 2007 | Atmospheric chemistry of surface ozone, its precursors, particulate pollutants in relation to indicators of climate change in the Kullu-valley northwestern Indian Himalaya | Priyanka Sharma      | Dr. J.C. Kuniyal<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)  | Shoolini University<br>Solan<br>Himachal Pradesh      | Climatology         |
| 2007 | Evaluation, Propagation and conservation of <i>Fritillaria roylei</i> Hook.- A high altitude medicinal plant of Himalaya  | S.K. Joshi           | Dr. Uppendra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora   | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2007 | Assessment of diversity of economically important plant resources in the Gola Catchment of Kumaun region, west Himalaya   | Surbhi Pandey        | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Mohal- Kullu (H.P.)<br>Dr. Y.P.S. Pangtey<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand | Kumaun University<br>Nainital, Uttarakhand            | Biodiversity        |
| 2006 | Eco-Physiological and Socio-economic Studies of Allium Species in Garhwal Himalaya  | Kusum Payal          | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal   | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |

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|------|---|----------------------|---|---|---------------------|
| 2006 | Tree structure, regeneration, stand biomass, and community dependence in the buffer zone area of Namdapha National Park, Arunachal Pradesh                        | Panna Deb            | Prof. S.P. Singh<br><b>(Supervisor)</b><br>Dr. R.C. Sundriyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katramal, Almora  | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2006 | Conservation and Management of Traditional Paddy Cultivars/Landraces by Local Farmers: a Case Study from Central Himalaya   | Vimla Bisht          | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Conservation        |
| 2005 | Viability and variability in genus <i>Swertia</i> with particular reference to <i>Swertia chirayita</i> and <i>S. angustifolia</i> in Garhwal and Kumaun Himalaya | Arvind Bhatt         | Dr. Uppendra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katramal, Almora<br>Dr. A.R. Nautiyal<br><b>(Co-Supervisor)</b><br>H.N.B. Garhwal<br>University, Srinagar      | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |
| 2005 | Characterization of microorganisms from the hot springs of Uttaranchal Himalaya   | Bhavesh Kumar        | Prof. Uma T. Palni<br><b>(Supervisor)</b><br>Kumaun University,<br>Nainital, Uttarakhand<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora | Kumaun University<br>Nainital, Uttarakhand            | Microbiology        |
| 2005 | Eco-Physiological and Socio-Economic Studies of Some Rhizomatus Medicinal and Aromatic Plant Species  | Laxman Singh Kandari | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |
| 2005 | Characterization of plant growth promoting rhizobacteria from Himalayan soils for potential biotechnological applications   | Pankaj Trivedi       | Prof. Uma T. Palni<br><b>(Supervisor)</b><br>Kumaun University,<br>Nainital (U.K.)<br>Dr. Anita Pandey<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora       | Kumaun University<br>Nainital, Uttarakhand            | Microbiology        |

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|------|---|------------------------|---|--|------------------|
| 2005 | Assessment of diversity patterns in sub alpine forest of west Himalaya: recruitment strategy, litterfall and nutrient return            | Sanjay Gairola         | Prof. N. P. Todaria<br><b>(Supervisor)</b><br>H.N.B. Garhwal University, Srinagar<br>Dr. R.S. Rawal<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora     | H.N.B. Garhwal University<br>Srinagar, Uttarakhand | Forestry         |
| 2005 | Impact of Anthropogenic Pressure on the Natural Resources of Khangchendzonga Biosphere Reserve with Particular Reference to Buffer zone | Santosh Kumar Chettri  | Dr. K.K. Singh<br><b>(Supervisor)</b><br>GBPNIHESD<br>Sikkim  | Kumaun University<br>Nainital, Uttarakhand         | Plant Physiology |
| 2005 | Assessment of plant diversity and ethnobotany of Mornaula Reserve Forest in Kumaun, west Himalaya                                       | Shreekar Pant          | Dr. Y.P.S. Pangtey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. S.S. Samant<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Mohal- Kullu (H.P.) | Kumaun University<br>Nainital, Uttarakhand         | Biodiversity     |
| 2004 | Studies on propagation, agrotechnology and phytochemical evaluation of some alpine medicinal herbs of himalayan region                  | Bhuwan Chandra         | Prof. L.M.S. Palni<br><b>(Supervisor)</b><br>Senior Scientific Advisor<br>Biotechnology, Haldi-<br>Pantnagar  | Kumaun University<br>Nainital, Uttarakhand         | Botany           |
| 2004 | Propagation of <i>Saussurea obvallata</i> (D.C) Clarke. A Rare and Endemic Medicinal Herb of Himalaya                                   | Mitali Joshi           | Dr. Uppeandra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Prof.Y.P.S Pangtey<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital (U.K.) | Kumaun University<br>Nainital, Uttarakhand         | Botany           |
| 2003 | Studies on Structural and Functional Aspects of Timberline Vegetation in Nanda Devi Biosphere Reserve, Garhwal Himalaya                 | Aditya Narayan Purohit | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal University<br>Srinagar, Uttarakhand | Ecology          |

|      |   |                   |   |   |                     |
|------|---|-------------------|---|---|---------------------|
| 2003 | Productivity and nutrient cycling in an age series of <i>Alnus</i> Cardamom agroforestry in the Sikkim Himalaya.                | G. Sharma         | Dr. E. Sharma<br><b>(Supervisor)</b><br>ICIMOD, Kathmandu<br>Dr. D.C. Deb<br><b>(Co-Supervisor)</b>   | North Bengal University,<br>Siliguri, (W.B.)          | Botany              |
| 2003 | Productivity and Nutrient Cycling in an Age series of <i>Alnus</i> -Cardamom Agroforestry in the Sikkim Himalaya                | Ghanashyam Sharma | Dr. K.K. Singh<br>GBPNIHESD, Sikkim<br><b>(Supervisor)</b>  | University of North<br>Bengal (W.B.)                  | Plant<br>Physiology |
| 2003 | Resource dynamics in a Himalayan watershed and implication for sustainable development  | H.K. Bagwari      | N.P. Todaria<br><b>(Supervisor)</b><br>G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Forestry            |
| 2003 | Studies in relation to cotyledonary senescence and tissue culture of medicinally important alpine herbs                         | Hemant Pandey     | Dr. Uma Palni-Tiwari<br><b>(Supervisor)</b><br>Dr. S.K. Nandi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora   | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2002 | Conservation and propagation of a critically endangered medicinal herb, <i>Angelica glauca</i> Edgew. of western Himalaya       | Anil Kumar Bisht  | Prof. Y.P.S Pangtey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2002 | A Comparative Study Of Status And Fertility Behaviour Of Rural And Urban Women In Himalayan Kumaun : A Geographical Perspective | Anubha Shah       | Dr. A.K. Singh<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. P.K. Samal<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora          | Kumaun University<br>Nainital, Uttarakhand            | Geography           |
| 2002 | Ecological Analysis of a Sacred Landscape in Garhwal Himalaya   | Bhaskar Sinha     | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | Jawaharlal Nehru<br>University, New Delhi             |                     |



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|------|---|----------------------|--|---|---------------------|
| 2002 | Ecology of <i>Myrica esculenta</i> Buch- Ham. Ex D. Don with special reference to natural regeneration and sources dependent variation in propagation response              | Bhawana Pandey       | Dr. R.S. Rawal<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Prof.Y.P.S Pangtey<br><b>(Co-Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand    | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2002 | Assessment of habitat diversity, forest vegetation and human dependence in the buffer zone of nanda devi biosphere reserve of west himalaya                                 | Harish Chandra Joshi | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora<br>Dr. Jeet Ram<br><b>(Co-Supervisors)</b><br>Kumaun University<br>Nainital, Uttarakhand         | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2002 | Organic matter decomposition and its effect on available nitrogen, phosphorus and potassium in mountain crop field soil.  | K.D. Kandpal         | Dr. O.P. Sati<br><b>(Supervisor)</b><br>Dr. G.C.S. Negi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Chemistry           |
| 2002 | Ecological Diversity in Relation to Agricultural Land Use Intensity in a Mid-Altitude Village in Central Himalaya   | Kritika Singh        | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal   | Jawaharlal Nehru<br>University, New Delhi             | Ecology             |
| 2002 | Developing propagation protocols of selected high altitude endemic medicinal umbellifers of the Himalaya with a focus on <i>Angelica archangelica</i> var. <i>himalaica</i> | Meena Joshi          | Prof.Y.P.S Pangtey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora | Kumaun University<br>Nainital, Uttarakhand            | Botany              |
| 2002 | Mass propagation of tea, maggar bamboo & devringal  | Niladri Bag          | Dr. L.M.S. Palni<br><b>(Supervisor)</b><br>Dr. S.K. Nandi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |

|      |   |                          |  |   |                             |
|------|---|--------------------------|--|---|-----------------------------|
| 2002 | Exploration and eco-physiological studies of various landraces of rice ( <i>Oryza sativa</i> L.) in Kumaun Himalaya                               | Rajneesh Kumar Agnihotri | Dr. L.M.S. Palni<br><b>(Supervisor)</b><br>State Biotechnology Programme<br>Halde, Pantnagar<br>Prof. Y.P.S. Pangtey<br><b>(Co-Supervisors)</b><br>Kumaun University<br>Nainital, Uttarakhand                      | Kumaun University<br>Nainital, Uttarakhand            | Botany                      |
| 2002 | An eco-physiological evaluation of <i>thysanolaena maxima</i> (broom grass): a multipurpose, perennial grass of high fodder value                 | S. K. Bhuchar            | Prof. S.P. Singh<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand Prof.<br>L.M.S. Palni<br><b>(Co-Supervisor)</b><br>State Biotechnology Programme<br>Halde, Pantnagar                         | Kumaun University<br>Nainital, Uttarakhand            | Botany                      |
| 2002 | Assessment of habitat diversity, distribution of vegetation and human dependence in alpine meadows of Nanda Devi Biosphere Reserve, west Himalaya | S.C. Arya                | Dr. S.S. Samant<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Mohal-Kullu (H.P.)   | Kumaun University<br>Nainital, Uttarakhand            | Biodiversity                |
| 2002 | Studies on forest ecosystem in a protected area of Garhwal Himalaya   | Shankar Datt Tiwari      | Dr. K.S. Rao <b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora<br>Prof. S.C. Tiwari<br>HNB Garhwal University<br>Srinagar (Garhwal)<br>Dr. R.K. Maikhuri<br>GBPNIHESD, Garhwal<br><b>(Co-Supervisors)</b> | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Botany                      |
| 2002 | Biology and conservation of <i>Arnebia benthamii</i> – an endemic medicinal plant of high altitude Himalaya                                       | Sumit Manjkholra         | Dr. Uppendra Dhar<br><b>(Supervisor)</b><br>Dr. R.S. Rawal<br>GBPNIHESD,<br>Kosi-Katramal, Almora<br>Dr. A.R. Nautiyal<br>HNB Garhwal University<br>Srinagar (U.K.)<br><b>(Co-supervisors)</b>                     | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Environmental<br>Physiology |

|      |  |                    |  |   |                     |
|------|--|--------------------|--|---|---------------------|
| 2002 | Mass propagation of banj, tilonj and phaniyat oaks   | Vijay Kant Purohit | Dr. L.M.S. Palni<br><b>(Supervisor)</b><br>Dr. S.K. Nandi<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora                            | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |
| 2000 | Study of Sacred Khechepalri Lake Ecosystem in the Sikkim Himalaya.   | Alka Jain          | Dr. Eklabya Sharma<br><b>(Supervisor)</b><br>ICIMOD, Kathmandu<br>Dr. S.C. Rai<br><b>(Co-Supervisor)</b><br>GBPNIHESD<br>Sikkim Unit                   | North Bengal University,<br>Siliguri (W.B.)           | Botany              |
| 2000 | Grazing impact on plant diversity and productivity along yuksam-Dzongri tourists trekking corridor in the biosphere reserve of Sikkim. | H.B. Singh         | Dr. Eklabya Sharma<br><b>(Supervisor)</b><br>ICIMOD, Kathmandu<br>Dr. R.C. Sundriyal<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora | North Bengal University,<br>Siliguri, (W.B.)          | Botany              |
| 2000 | Economic benefits and conservation linkages from tourism development in the Sikkim Himalaya.   | I. Maharana        | Dr. S.C. Rai<br><b>(Supervisor)</b><br>GBPNIHESD<br>Sikkim Unit  | North Bengal University,<br>Siliguri, (W.B.)          | Geography           |
| 2000 | Studies on genetic variability and multiplication potential of <i>Myrica esculenta</i> in Kumaun Himalaya                              | Indra Dutt Bhatt   | Dr. Uppeendra Dhar<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |
| 2000 | Impact of habitat distribution on birds and butterfly communities along the Yuksam, Dzongri trail in Khanchendzonga Biosphere Reserve. | N. Chettri         | Dr. Eklabya Sharma<br><b>(Supervisor)</b><br>ICIMOD, Kathmandu<br>Dr. D.C. Deb<br><b>(Co-Supervisor)</b>   | North Bengal University,<br>Siliguri, (W.B.)          |                     |
| 2000 | Response of plant species from different altitudes to elevated CO <sub>2</sub> at varying temperatures and light intensities           | Suman Chandra      | Dr. S.C. Joshi<br><b>(Supervisor)</b><br>GBPNIHESD<br>Sikkim Unit  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology |

|      |   |                    |   |   |                                     |
|------|---|--------------------|---|---|-------------------------------------|
| 1999 | Distribution, propagation and nutritive value of some wild edible plants in the Sikkim Himalaya                         | Manju Sundriyal    | Prof. A.N. Purohit<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora<br>Dr. Eklabya Sharma<br><b>(Co-Supervisor)</b><br>ICIMOD, Kathmandu                          | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Botany                              |
| 1998 | Developing users' friendly Software for Library and Information Centre Management                                       | Ram Chandra Prasad | Dr. S. Sahay<br><b>(Supervisor)</b><br>T.M. Bhagalpur<br>University, Bhagalpur<br>Dr. S.N. Das<br><b>(Co-Supervisor)</b><br>Patna University, Patna                             | T.M. Bhagalpur<br>University, Bhagalpur               | Library &<br>Information<br>Science |
| 1998 | Ecosystem Function of Buffer Zone Villages of Nanda Devi Biosphere Reserve  | Sunil Nautiyal     | Dr. R.K. Maikhuri<br><b>(Supervisor)</b><br>GBPNIHESD<br>Srinagar, Garhwal  | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Ecology                             |
| 1997 | Clonal propagation of Indian butter tree ( <i>Diploknema butyracea</i> ) through tissue culture.                        | Anurag Tewari      | Prof. Y.P.S Pangtey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora | Kumaun University<br>Nainital, Uttarakhand            | Botany                              |
| 1997 | Studies on multiplication potential of ( <i>Sapium sebiferum</i> ) using both conventional and biotechnological tools   | E.A. Siril         | Dr. P.P. Dhyani<br><b>(Supervisor)</b><br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora   | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology                 |
| 1997 | Variability and viability studies of a multipurpose species ( <i>Bauhinia vahlii</i> ) of sub Himalayan hills of Kumaun | Jyoti Upreti       | Prof. Y.P.S Pangtey<br><b>(Supervisor)</b><br>Kumaun University<br>Nainital, Uttarakhand<br>Dr. Uppendra Dhar<br><b>(Co-Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katramal, Almora | Kumaun University<br>Nainital, Uttarakhand            | Botany                              |

|      |  |                   |   |   |                              |
|------|--|-------------------|---|---|------------------------------|
| 1997 | Altitudinal variations in leaf structure, heat flow across leaf surfaces, energy budget and transpiration of some <i>Ficus</i> species.                              | V.P. Sharma       | Dr. P.P. Dhyani<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora     | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Botany (Plant<br>Physiology) |
| 1994 | Symbiotic nitrogen fixation in maintenance of soil fertility in the Sikkim Himalaya.   | Rita Sharma       | Prof. A.N. Purohit<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Botany                       |
| 1994 | Diurnal Variations in Leaf Temperature, Energy Exchange and Transpiration and their dependence on Leaf age in <i>Ficus Glomerata</i> Roxb. ( <b>M.Phil. Thesis</b> ) | Suman C. Nautiyal | Dr. P.P. Dhyani<br><b>(Supervisor)</b><br>GBPNIHESD,<br>Kosi- Katarmal, Almora    | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology          |
| 1992 | Growth behavior, CO <sub>2</sub> exchange and water use efficiency of some <i>Ficus</i> species  | M.P. Khali        | Dr. P.P. Dhyani<br><b>(Supervisor)</b><br>GBPNIHESD<br>Kosi- Katarmal, Almora     | H.N.B. Garhwal<br>University<br>Srinagar, Uttarakhand | Plant<br>Physiology          |

**Total – 152**

**Ph.D. (145), D.Sc. (1), M.Phil. (6)**