

BIO-DATA

Dr. Navneet

Professor , Department of Botany & Microbiology
Director, IQAC
Dean, Academic Affairs and Academic Audit
Chief Warden
Professor Incharge, Swami Shradhanand Health Centre
Former Dean, Faculty of Life Sciences
Former Dean, Student Welfare
Former Head, Department of Botany and Microbiology
Former Co-ordinator, National Service Scheme
Gurukul Kangri (DU), Haridwar-249 404, Uttarakhand



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Educational Qualification:

- M.Sc. (Botany) Kurukshetra University, Kurukshetra
- M.Phil. (Botany) Kurukshetra University, Kurukshetra
- Ph.D. (Botany) Kurukshetra University, Kurukshetra

Specialisation:

Ethnomedicinal Plants Diversity, Aero-microbiology, Antimicrobial studies & Microflora of medicinal plants

Employment History:

- Professor, Department of Botany & Microbiology, Gurukul Kangri (DU), Haridwar, Uttarakhand w.e.f. 07-03-2009 to present
- Reader, Department of Botany & Microbiology, Gurukul Kangri (DU), Haridwar, Uttarakhand w.e.f. 07-03-2001 to 06-03-2009
- Lecturer in Sr. Scale, Department of Botany & Microbiology, Gurukul Kangri (DU), Haridwar from 07-03-1997 to 06-03-2001
- Lecturer, Department of Botany & Microbiology, Gurukul Kangri (DU), Haridwar from 07-03-1992 to 06-03-1997

Improvement of Professional Competence: (see **Annexure-I**)

Academic Performance:

- | | | |
|---|---|------------------------------|
| 1. Research Experience | : | 32 Years |
| 2. Teaching Experience | : | 32 years |
| 3. Number of Ph. Ds. Produced | : | 22 (see Annexure-II) |
| 4. Number of Ph.Ds. produced as co-supervisor: | | 04 (see Annexure-II) |
| 5. Publications | : | (see Annexure-III) |

A	Books	7
B	Popular books published without ISBN	6
C	Articles/Chapters in Books	58
D	Research/Review papers	113
E	Publications in magazines	11

6. Number of Students Registered for Ph.D. Degree: 05

7. Any honour/award :

- Qualified National Education Test held by University Grants Commission.
- Fellow of Indian Phytopathological Society
- Fellow of Indian Botanical Society
- Gold Medal in M. Phil. theory examination
- Received distinction in M.Phil dissertation work entitled, “Studies on phyllosphere mycoflora of *Cajanus cajan*(L). 1986
- Received “Appreciation Certificate” on behalf of GKU, Haridwar for the noble cause of Voluntary Blood Donation on 20 August, 2011 at Town Hall, Haridwar.
- Received “Appreciation Certificate” as Programme Coordinator NSS for the noble cause of social service from Dr. Ajay Kumar Pardyot, Secretary, Department of Youth Welfare, Uttarakhand on 21, February, 2013.
- Received “Appreciation certificate” from Chief Medical Superintendent, District Hospital, Haridwar on 1st October, 2014.
- Received “Certificate of Appreciation” from Vice-Chancellor, G.K.(DU), Haridwar for excellent and untiring work during NAAC visit in 2021

8. Member of professional bodies:

- Indian Botanical Society
- Indian Society of Plant Pathologists
- The Indian Science Congress Association
- Indian Phytopathological Society
- Indian Mycological Society
- The National Academy of Science, India
- The Indian Potato Association
- Indian Society of Mycology and Plant Pathology
- The International Society of Plant Morphologist

9. Other activities:

- Head, Department of Botany and Microbiology
- Member, Flying Squad, G.K.V., Haridwar
- Member, P.G. Board of Studies in Botany, Kurukshetra University, Kurukshetra.
- Member RDC in Microbiology, H.N.B. Garhwal University, Srinagar
- Member RDC in Botany, CCS University, Meerut.
- Member RDC in Botany, H.N.B. Garhwal University, Srinagar
- Talk at All India Radio, Nazibabad on “AIDS Eradication and role of common man” on 5/12/2011.
- Expert for Phone-in Programme on AIDS at All India Radio Nazibabad

- Observer for NSS “B” and “C” certificate examination on 26 February, 2012
- Programme Coordinator NSS, Gurukul Kangri University, Haridwar
- Conducted Blood Donation Camps and motivated students for blood donation
- Conducted Hepatitis-B vaccination camps
- Member of University Committee to admit M.Sc. and B.Sc. students
- Member of Proctorial Board
- Performed Election duty as Sector Magistrate
- Dean, Student Welfare of Gurukul Kangri University
- Member Anti Ragging Squad, Gurukul Kangri University, Haridwar.
- Plantation of trees in the University Campus
- In-charge, Departmental Library
- Performed Election Duty during University Student Welfare Council Elections
- Member Editorial Board of Journal of Natural and Physical Sciences
- Co-ordinator, Red Ribbon Club, Gurukul Kangri University, Haridwar.
- Subject expert to screen application forms for appointment of Professor and Assistant Professor in Department of Botany and Microbiology.
- Member of the committee to inspect S.B.S.P.G. Institute of Biomedical Sciences & Research, Dehradun
- Dean, Faculty of Life Sciences

10. Seminar/Workshop/Meeting Organised:
(See **Annexure-IV**)

11. Seminar/Conference Attended/Delivered lectures:
(See **Annexure-V**)

Annexure-I

Improvement of professional competence

Details of Refresher Course/Orientation Course / Summer Institute attended

Sr. No.	Name / Nature of the course	Institution and place	Dates/Period	Total duration of the course (in weeks/days)
1	Orientation Course	ASC, Kurukshetra Univ. Kurukshetra	27/7/93 to 23/08/93	4 weeks
2	Refresher Course	ASC, Gujarat University, Ahmedabad	14/03/97 to 03/04/97	3 weeks
3	Refresher Course	ASC, Guru Nanak Dev University, Amritsar	16/08/99 to 04/09/99	3 weeks
4	Refresher Course	ASC, Gujarat University, Ahmedabad	08/08/2000 to 28/08/2000	3 weeks

Ph.Ds Produced: 18

Sr. No.	Name	Year	Title of the Ph.D thesis
1.	Neeraj Sharma	2006	Bioremediation of Urban Sewage
2.	Prabhat Kumar Singh	2007	A study on antimicrobial effect on medicinal plants (Babul, Harad, Apamarg, Khair, Bakul and Mulethi) against mouth infections
3.	Shalini	2008	A study on antimicrobial effect on vedic yagya (agnihotra)
4.	Deepika Chauhan	2009	Studies on phylloplane microflora of <i>Shorea robusta</i> , <i>Bauhinia vahlii</i> , <i>Tectona grandis</i> , <i>Butea monosperma</i> Socio-Economic importance of these plants
5.	Archa Vermani	2010	Studies on antimicrobial effect of medicinal plants (<i>Butea monosperma</i> , <i>Cassia fistula</i> , <i>Cedrela toona</i> , <i>Tinospora cordifolia</i> and <i>Quercus infectoria</i>) against dental infections
6.	Sanjay Kumar	2010	A study on antimicrobial effect of medicinal plants (Akar-kara, Miswak, Chameli, Nirgundi, and Zaitun) against mouth infections
7.	Shivani Parasar	2011	Studies on antimicrobial effect of medicinal plants against vaginitis
8.	Kuldip Kaur	2012	Interaction of fungi and insects with cultivated oyster mushroom <i>Pleurotus sajor-caju</i> (Fr.) Sing.
9.	Rajni	2013	A study on antibacterial effect of medicinal plants against respiratory tract infections
10.	Shiv Shanker Gautam	2015	A study on antimicrobial effect of medicinal plants against respiratory tract infections
11.	Reshu Chauhan	2016	Studies on phylloplane microflora of <i>Stevia rebaudiana</i> Bertoni in relation to foliar pathogens (<i>Alteranria</i> sp. and <i>Rhizoctonia</i> sp.)
12.	Vinay Mohan Pathak	2018	A study on natural and synthetic polymer degrading microorganisms and their optimization for effective biodegradation
13.	Ajeet Singh	2018	A study on antimicrobial potential of medicinal plants (<i>Barleria prionitis</i> , <i>Citrus maxima</i> , <i>Sida spinosa</i> and <i>Trichosanthes anguina</i>) against respiratory tract pathogens
14.	Akash	2019	Diversity of plant species in Chilla range of Rajaji National Park, Uttarakhand, India
15.	Aparna Kaushal	2021	Studies on antimicrobial potential of medicinal plants (<i>Bidens pilosa</i> , <i>Erythrina indica</i> , <i>Crinum asiaticum</i> and <i>Combretum indicum</i>) against ear pathogens
16.	Minakshi Rajput	2021	Antimicrobial potential of medicinal plants (<i>Hemidesmus indicus</i> , <i>Hydnocarpus laurifolia</i> and <i>Pongamia pinnata</i>) against scalp pathogens

17.	Neelesh Babu	2021	Antimicrobial potential of titanium dioxide nanoparticles with medicinal plant extract against wound infection pathogens
18.	Ramveer Singh	2022	Antimicrobial potential of silver nanoparticles with medicinal plant extract against otorhinolaryngology (ORL) infections
19.	Pooja Sharma	2023	Antimicrobial potential of zinc oxide nanoparticles with medicinal plant extracts (<i>Anagalis arvensis</i> Linn. and <i>Helicteres isora</i> Linn.) against wound infection pathogens
20.	Km. Akanksha	2024	Textile dye degradation through bacteria and phytomediated nanoparticles.
21.	Enna	Registered 2019	Antimicrobial potential of biologically synthesized nanoparticles with medicinal plant extract against wound infection pathogens
22.	Munit Sharma	2022	Ethnobotanical studies among the communities of Shivalik ranges of Haridwar Uttarakhand
23.	Sahil Kumar	2025	Effect of green synthesized zinc oxide nanoparticles against plant and human pathogens
24.	Vikash Rana	Registered 2021	Formulation and effect of synthesized herbal incense stick dhoop, agarbatti and havan samagri against Aeromicroflora
25.	Chetna Chauhan	Registered 2021	Green synthesis of silver and zinc oxide nanoparticles as Antibacterial agents against human skin pathogens
26.	Shristi Sharma	Registered 2023	Green Synthesis of Silver and Zinc oxide Nanoparticles from <i>Colebrookea oppositifolia</i> and <i>Ixora coccinea</i> plant extracts as Antibacterial Agents Against Skin infection causing pathogens
27.	Pinki	Registered 2023	Aesthetic, socioeconomic and microbiological studies on floral diversity in Haridwar, Uttarakhand (India)

Ph.D. produced as Co-supervisor: 4

Sr. No.	Name	Year	Title of Ph.D. thesis
1.	Shalini Triphathi	2004	Importance of yajna from the ayurvedic point of view
2.	Pramod Kumar	2007	Studies on the medicinally valued material present in the plant <i>Nyctanthes arbor-tristis</i> Linn.
3.	Amit Kumar	2007	Evaluation of medicinally valued plant <i>Abutilon indium</i> (Linn.) with reference to physico-chemical and biological activity

4. Chhaya 2007 Studies on the medicinally valued material present in the plant *Vernonia cinera* (Less.)

Annexure-III

Publications

Sr. No.	Year	A. Books Published: 8
1.	2023	अनुसंधान प्रकाशन: वैश्वसनियता, मूल्य एवं नैतिकता
2.	2022	Horizons of Ethics, Integrity and Research Publication, ABS Books, Delhi. ISBN978-93-91002-20-6
3	2021	Bio pharmacological activities of medicinal plants and bioactive compounds. Nova Science Publishers, Inc., New York. ISBN: 978-1-68507-056-4
4	2020	Ethnomedicinal plant use and practice in traditional medicine. IGI Global Hershey PA, USA. ISBN978-1-7998-1321-7
5.	2020	Advanced pharmacological uses of medicinal plants and natural products. IGI Global Hershey PA, USA. ISBN 978-1-7998-2094-9
6.	2018	Handbook of research on microbial tools for environment waste management. IGI Global Hershey PA, USA. ISBN 978-1-5225-3540-9
7.	2015	Contributions of Gurukula Kangri Vishwavidyalaya in the service of nation. Vinsor Publishing Company, Dehradun. ISBN: 978-81-86844-80-9
8.	2000	Microbes: Agriculture, Industry and Environment. Bishen Singh Mahendra Pal Singh, Dehradun, India ISBN : 81-211-0209-X

Sr. No.	Year	B. Popular books published without ISBN: 6
1.	2006	Pteridophytes, Gymnosperms and Paleobotany. Faculty of Distance Education, Gurukul Kangri Vishwavidyalaya, Haridwar
2.	2008	History of twenty-five years of National Service Scheme in Gurukula Kangri Vishwavidyalaya, Haridwar. Swami Shardhanand Prakshan Haridwar
3.	2009	Blood Group Directory of Gurukula Kangri Vishwavidyalaya, Haridwar. Swami Shardhanand Prakshan Haridwar
4.	2009	Blood Donation Guide. Swami Shardhanand Prakshan Haridwar
5.	2010	National Service Scheme "B" certificate guide. Swami Shardhanand Prakshan Haridwar

CHAPTERS PUBLISHED IN BOOKS

Sr. No.	Year	C. Chapters/Articles in Books: 58
58.	2025	Sharma, M., Bithel, N., Sharma, K.K. and Sharma, M. 2025. Potential of vegetables and plant metabolites in healthcare. In plant metabolites and vegetables as nutraceuticals. Eds.: Keservani, R.K Tung, B.T., Keservani, R.K. and Ahire, E.D. Apple Academic Press Inc.
57.	2024	Kumar, S. , Bithel, N. and Kumar, S. 2024. Innovative approach for phytoextraction, separation and molecular characterisation of phenolics from medicinal plants. In sustainable utilization and conservation of biological wealth. Eds. Tewari , G., Pant, D., Joshi ,P., Tewari, LM. and Upadhyay. S.K. Indu book service Pvt. Ltd., New Delhi, pp. 210-229.
56.	2024	Sharma, M., Sharma, M., Bithel, N. and Sharma, M. 2024. Diversity and use pattern of ethnomedicinal plants in shivalik ranges of uttarakhand. In: Sustainable utilization and conservation of biological wealth. Eds. Tewari, G., Pant, D., Joshi, P., Tewari, L.M. and Upadhyay, S.K. Indu book service Pvt. Ltd., New Delhi (pp 160-188).
55	2023	Rana , V. and Bithel, N. 2023. Salt and water stress in agriculture ecosystem. Environmental Degradation : Issues and Remedies. 1-16
54	2023	Kumar, S., Pandey, A., Singh, M., Mishra, S., Kumar, S., Bithel, N., & Rajput, M. (2023). Role of phyto melatonin in plant tolerance under environmental stress. In stress-responsive factors and molecular farming in medicinal plants. Singapore: Springer Nature Singapore (pp. 275-302).
53.	2022	Sharma, M., Navneet and Sharma, M (2022). Ethno botanical and Ethno veterinary study of medicinal plants used against various diseases by the peoples of Haridwar, Uttarakhand. In: Medicinal Plants Research Trends and Dimensions. P.K. Publishers and Distributors, New Delhi, ISBN: 978-93-92239-47-2.
52.	2022	Sharma, M., Prabhat, Navneet and Sharma, M (2022). Biodiversity and conservation of medicinal plants in Shivalik range of Haridwar, Uttarakhand. In: Ecosystem and Environmental Pollution. Discovery Publishing House, New Delhi, ISBN: 978-93-88854-97-9.
51.	2022	Sharma, M., Bithel, N and Sharma, M. (2022). Novel Coronavirus

(Covid-19) Outbreak and an Immunity Booster a Substantial Warrior of Pandemic Covid -19 Battle: An Overview. In: Biotechnology and Covid-19 Pandemic: Role of Biotechnology in Covid Vaccine Development, Eds. Saini, D. ABS Books, Delhi. ISBN: 978-93-91002-91-6.

50. 2022 Sharma, M., Bithel, N and Pandey, A. (2022). Nanotechnology and its Applications: An Eco-friendly Approach for the Prevention of Water Pollution. In: Climate Change and Water Security: Challenges for Adaptive Water Management, Eds. Saini, D. ABS Books New Delhi. ISBN: 978-93-91002-02-2
49. 2022 Sharma, M., Bithel, N and Pandey, A. (2022). A Systematic Approach on Biological Management of Water Quality: An Overview. In: Climate Change and Water Security: Challenges for Adaptive Water Management, Eds. Saini, D. ABS Books, Delhi. ISBN: 978-93-91002-02-2
48. 2022 Sharma, M., Bithel, N and Choudhary, E. (2022). Impact of Climate Change on Ecosystem and its Management Strategies: An Overview. In: Climate Change and Water Security: Challenges for Adaptive Water Management, Eds. Saini, D. ABS Books, Delhi. ISBN: 978-93-91002-02-2
47. 2022 Kumar S. Bithel, N and Choudhary E., 2022. An Overview on the Plants and Microorganisms role in the Treatment of Water Pollution and its Prevention Methods. In: Climate Change and Water Security: Challenges for Adaptive Water Management, Eds. Saini, D. ABS Books, Delhi. ISBN: 978-93-91002-02-2.
46. 2021 Sharma, M., Navneet and Sharma, M. 2021. Impact of Agricultural Pollutants on Aquatic Ecosystem and Its Management: A Critical Review. In: Current Research & Innovations in Life Sciences. Eds. Sharma, A.K and Thakur, R. JPS Scientific Publications, India. 15-35. ISBN: 978-81-950475-3-6.
45. 2021 Sharma, A. K., Sharma, A. K., Sharma, M., Navneet and Sharma, M 2021. A Review on Impact of Water Pollution on Aquatic Ecosystem. In: Current Research & Innovations in Life Sciences. Eds. Sharma, A.K and Thakur, R. JPS Scientific Publications, India. 15-35. ISBN: 978-81-

950475-3-6.

44. **2021** Sharma, M., Navneet and Sharma, M. (2021). Ethno botanical Studies of Medicinal Plants and their Chemical Constituents used for Human Health Care from Haridwar, Uttarakhand. In: Biodiversity: Status Threats and its Conservation Strategies. Eds. Malik, D.S and Sharma, A.K. JPS Scientific Publications, India. 16-48, ISBN: 978-93 91342-04-3.
43. **2021** Sharma, M., Navneet and Sharma, M. (2021). A Review on Ethnomedicinal, Phytochemical and Pharmacological Profile of *Centella asiatica* Linn. In: Biodiversity: Status Threats and its Conservation Strategies, Eds. Malik, D. S and Sharma, A. K. JPS Scientific Publications, India. 80-111. ISBN: 978-93-91342-04-3.
42. **2021** Babu, N., Sharma, P and Navneet. 2021. Therapeutic Potential of Traditional Medicinal Plants in Common Ailments and Morbidities. In: Current Research & Innovations in Life Sciences, Eds. Sharma, A.K and Thakur, R. JPS Scientific Publications, India. 150-165. ISBN: 978-81-950475-3-6.
41. **2021** Gautam S. S., Navneet., Babu, N and Kumar S., 2021. Current perspective of Dermatophytosis in Animals. In: Fungal Diseases in Animals from Infections to Prevention. Eds. Gupta, A and Pratap Singh, N. Springer Nature Switzerland, 93-104. ISBN: 978-3-030-69507-1.
40. **2019** Gautam, S.S., Navneet and Babu, N. (2019). Sporotrichosis: The emerging fungal threats to animals. In: Recent Development in Fungal Diseases of Laboratory Animals, Fungal Biology, Gupta, A and Singh, N.P.(eds.) Springer Nature, 119-130
39. **2019** Akash, Navneet and Bhandari, B.S. (2019). Effects of atmospheric pollutants on biodiversity. In: Global Perspectives on Air Pollution Prevention and Control System Design. Venkatesan, G.(ed). IGI global publishers U.S.A. 74-89.
38. **2019** Akash and Navneet and Bhandari, B.S. (2019). Air pollution and climatic changes: The global and regional perspectives. In: Climate Change and Agro-edaphic System. Chauhan, A. and Bharti, P.K.. Discovery publishing house, pvt.ltd. New Delhi, India. 74-102.

37. 2019 Akash and Navneet (2019). Impact of Climatic changes on earth's survivals- An analysis of changing environment and its consequences at global level: Impact of Climatic changes on earth's survivals. In: Climate Change and Its Impact on Ecosystem Services and Biodiversity in Arid and Semi-Arid Zones. Karmaoui, A. (ed). IGI global publishers U.S.A. 160-182.
36. 2019 Akash and Navneet and Bhandari, B.S. (2019). Vulnerability of forest vegetation due to anthropogenic disturbances in Western Himalayan region of India. In: Decision Support Methods for Assessing Flood Risk and Vulnerability. Karmaoui, A. (ed). IGI global publishers U.S.A. 269-289.
35. 2019 Akash and Navneet (2019). Microbial protein: An essential component for future food security. In: Environment, Health and Business Opportunities in New Meat Alternatives Market. M, Dora., Bougueva, D. and Paphaely, T. (eds.). IGI global publishers U.S.A. 98-123.
34. 2018 Kaushal, A. and Navneet. 2018. Ecological impact of climate change on aquatic ecosystem/biodiversity. . In: Climate Change: An Impact on Biodiversity. Kumar, M. and Goyal A.S. (Eds.). Biotech Books Publishers, New Delhi, pp 73-86.
33. 2018 Pathak, V.M., Singh A. and Navneet. 2018. Impact of climate change on interaction and response of microbial communities: contribution, problems and risk assessments. In: Climate Change: An Impact on Biodiversity. Kumar, M. and Goyal A.S. (Eds.). Biotech Books Publishers, New Delhi, pp 257-271.
32. 2018 Rajput, M. and Navneet. 2018. Impact of climate change on plant biodiversity and its conservation. In: Climate Change: An Impact on Biodiversity. Kumar, M. and Goyal A.S. (Eds.). Biotech Books Publishers, New Delhi, pp 161-183.
31. 2018 Akash., Rajput, M., Shrivastav, V. and Navneet. 2018. Effects of different types of pollution on biological diversity and its control measures. In: Climate Change: An impact on Biodiversity. Kumar, M. and Goyal A.S. (Eds.). Biotech Books Publishers, New Delhi, pp 139-159.

30. 2018 Babu, N., Pathak, V.M., Akash., Navneet 2018. Biosorption of heavy metals In: Handbook on research on microbial tool environmental waste management. Pathak, V.M. and Navneet (Eds.). IGI global publishers (U.S.A), pp. 270-281.
29. 2018 Akash, Pathak, V.M., Babu, N., and Navneet. 2018. Bioremediation-of-environmental-pollutants, In: Handbook on research on microbial tool environmental waste management. Pathak, V.M. and Navneet. (Eds.). IGI global publishers (U.S.A), pp 80-104.
28. 2018 Akash and Navneet. 2018. Eco-Tourism as a viable option for conservation of wildlife in protected areas under Shivalik Hills of the outer Himalaya, India. In: Environmental Impacts of Tourism in Developing Nations. Sharma, S. (Ed.). IGI global publishers (U.S.A), pp 103-120.
27. 2017 Navneet; Singh, A; Babu, N. and Singh, R. 2017. Current status and advancement of biopesticides. In advances in Life Science. Eds. Datt, S., Tyagi, A., Bhati, H.P. and Singh, H. pp 210-229.
26. 2010 Navneet and Rajni 2010. The antimicrobial properties of herbal cough syrups against respiratory tract infections. Drugs from plants. Ed. P.C. Trivedi, Aavishkar Publishers, Distributors, Jaipur. pp. 86- 108.
25. 2009 Navneet, D.R. Khanna, Shri Krishna and Prabhat 2009. The properties of samidha and samagri used in agnihotra. Science in Veda. Ed. D.R. Khanna, Daya Publishing House, Delhi. pp. 157- 180.
24. 2009 Navneet, Prabhat and Amit 2009. The antimicrobial effect of agnihotra. Science in Veda. Ed. D.R. Khanna, Daya Publishing House, Delhi. pp. 103- 111.
23. 2009 Navneet, Prabhat, and Dinesh Chandra 2009. Yajna samagri for different seasons. Science in Veda. Ed. D.R. Khanna, Daya Publishing House, Delhi. pp. 87- 101.
22. 2009 Navneet, Prabhat, D.R. Khanna and Dinesh Chandra 2009. Yajna therapy: A boon to mankind. Science in Veda. Ed. D.R. Khanna, Daya Publishing House, Delhi. pp. 67- 78.
21. 2009 Navneet, Prabhat, Reeta and Dinesh Chandra 2009. Yagya therapy for tuberculosis. Science in Veda. Ed. D.R. Khanna, Daya Publishing House,

Delhi. pp. 52-66.

20. 2009 Navneet, Shivani and S. Sharma 2009. Potential of herbs against vaginal infection. In Indian Medicinal Plants. Ed. P.C. Trivedi. pp. 225- 248. Aavishkar Publishers, Distributors, Jaipur, India.
19. 2008 Prabhat, Navneet, Sanjay and P. Kumar. 2008. Chemical analysis of inorganic elements in bacterial medicinal plants. In Phytochemicals: A Therapeutant for Critical Disease Management. Eds. D.R. Khanna, A.K Chopra, G. Prasad, D.S Malik and R. Bhutiani. pp. 273- 276. Daya Publishing House, Delhi.
18. 2008 Navneet and Archa 2008. Detection of elements in *Butea monosperma*, *Cassia fistula*, *Tinospora cordifolia*, *Quercus infectoria* and *Cedrella toona* in Phytochemicals: A Therapeutant for Critical Disease Management. Eds. D.R. Khanna, A.K Chopra, G. Prasad, D.S Malik and R. Bhutiani. pp. 217- 220. Daya Publishing House, Delhi.
17. 2008 Deepika and Navneet 2008. The use of plants (Sal, Maljhan, Sagon, Dhak) in the preparation of dona and pattals Eds. D.R. Khanna, A.K. Chopra, G. Prasad, D.S. Malik and R. Bhutiani, pp. 145- 152. Daya Publishing House, Delhi.
16. 2007 Shri Krishna, Amit Kumar and Navneet. 2007. Physicochemical screening of *Abutilon indicum* roots. In Medicinal Plants: Conservation, Cultivation and Utilization. Eds. A.K. Chopra, D.R. Khanna, G. Prasad, D.S. Malik and R. Bhutiani. Daya Publishing House, New Delhi. pp. 269-272.
15. 2007 Navneet, Sanjay, Prabhat and Tiwari, M.M. 2007. The antibacterial properties of herbal tooth powders. In. Biodiversity for Sustainable Development. Ed. P.C. Trivedi. pp. 216-214. Aavishkar Publishers, Distributors, Jaipur.
14. 2007 Sanjay, Navneet, Murli Manohar and Prabhat 2007. Antimicrobial properties of herbal tooth powders. Ed. A.K. Chopra, D.R. Khanna, G Prasad, D.S. Malik, R. Bhutiani, Medicinal Plants: Conservation Cultivation and Utilization. Daya Publishing House Delhi. pp 303-318.
13. 2007 Deepika C. Navneet and Prabhat 2007. Medicinal plants of Rigveda. Ed. A.K. Chopra, D.R. Khanna, G Prasad, D.S. Malik, R. Bhutiani,

Medicinal Plants: Conservation Cultivation and Utilization, Daya Publishing House Delhi, pp 281-298.

12. 2007 Prabhat and Navneet, 2007. Antibacterial activity of medicinal plants against dental infections. Ed. A.K. Chopra, D.R. Khanna, G. Prasad, D.S. Malik. R. Bhutiani, Medicinal Plants: Conservation Cultivation and Utilization, Daya Publishing House Delhi, 139-146.
11. 2004 Navneet and Prabhat. 2004. Vedic Yajna: A solution for present day problems. Applied Botany (Current Trends in Plant Sciences). Ed. P. C. Trivedi. Aavishkar Publishers, Distributors, Jaipur, pp. 236-256.
10. 2002 Navneet and Reeta. 2002. Medicinal plants of Atharvaveda. In: Science in Ancient India Eds. R. M. P. Jaiswal, pp. 56-60.
9. 2000 Navneet and A. Sharma. 2000. Role of Dhataki (*Woodfordia fruticosa* Kurz.) flowers in the fermentative process of Aswagandharishta. In: Microbes- Agriculture, Industry and Environment. Eds. D.K. Maheshwari, R.C. Dubey, G. Prasad and Navneet. pp 29-35. Bishan Singh Mahendra Pal Singh, Dehradun., India.
8. 1999 Navneet, V.S. Pundir and S. Malhotra. 1999. Microflora of ayurvedic drugs. In: Sustainable Ecosystem and Environment. Eds. D.R. Khanna, A Gautam and A. Gautam pp.91-98. Century Offset Printers. Rishikesh.
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6. 1994 Mehrotra, R.S., Navneet and S. Khanna. 1994. Plant disease forecasting with special reference to late blight epidemics and its control. In: Crop Epidemics, Microbes and Ecosystem Conservaton. Eds. G.P. Aggarwal and S.K. Hasija.. pp. 17-22. Narendra Publications House, Delhi, India.
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3.	2004	Navneet, Prabhat and ShriKrishna. 2004. Mousli (<i>Mimusops elengi</i>) : A valuable medicinal plant, Gurukul- Shodh- Bharti . 1:152-154.
4.	2003	Navneet, Prabhat and D. Chandra. 2003. Yajna Therapy : Its relevance in modern context. The Vedic Path. 61: 49-55.
5.	2003	ShriKrishna, Chhaya, Navneet and D.Chandra. 2003. Shahadevi (<i>Vernonia cinerea</i> Less.) : A medicinal Plant. Gurukula Patrika. 55: 120-123.
6.	2003	Navneet, Prabhat and D. Chandra. 2003. Plant Science : Medicinal plants of Rigveda.Gurukul Patrika. 55 : 30-34.
7.	2002	ShriKrishna, Pramod and Navneet. 2002. <i>Nyctanthes arbor- tristis</i> (harsinghar). A valuable medicinal plant. Vedic Path. 61: 65-69.

8. 2002 Navneet, Reeta and D.Chandra. 2002. Guggal (*Commiphora wightii*) : A miraculous vedic plant. Vedic path. 60: 79-82.
9. 2001 Navneet and V.K. Sharma. 2001. Cow urine and its importance in ayurvedic medicines. Biospectrum. 3(1-2) : 47- 49.
10. 1999 Navneet and S. Malhotra. 1999. Vedic Plants. Biospectrum. 1: 7-8.
11. 1998 Navneet, S. Chand and V.K. Sharma .1998. Agnihotra The air purifier, Gurukula Kangri Vijnana Patrika Aryabhata. 1: 83-86.

Annexure-IV

Seminars / Conferences organized (National/International)

S. No.	Name of the seminars/ conferences	Date and place	Name of Organizing Secretary / Convenor
1	National Seminar on Biotechnology: New Trends and Prospects	26-28 December, 1996 Botany Department G.K. University, Hardwar	As organizing committee member
2	National seminar on Bio inoculants for Holistic Sustainable Rural Development	23-25 September, 1998 Botany Department G.K. University, Hardwar	As organizing committee member.
3	Vedic Agnihotra and Universe	12-14 March, 2004 G.K. University, Hardwar	Co-Secretary organizing

4	Voluntary Blood Donation Workshop	10 September, 2009 Zoology Department, G.K. University, Hardwar	Organizing Secretary
5	A workshop on Isolation & Characterization of fungi	08 November, 2014 Botany Department, G.K. University, Hardwar	Organizing Secretary
6.	Beat Anaemia Programme	February, 26, 2016	As convenor
7.	Blood Group Testing Programme	February, 26, 2016	As convenor
8	National Conference on Microbial inoculants for Agriculture and environment Sustainability	28-30 September 2018	Co-ordinator
9	National Seminar on Innovative Approaches in Microbial Technology	8-9 March 2019	Co-ordinator
10	A Workshop on World Rabies Day	28 th September 2019	Convener
11	Training Program on Herbal Product Formulations	17-21 December, 2021	Chairman
12	Training Program on Nutritious and Beneficial Herbal Products Formulations and Preparation	6-10 May, 2022	Chairman

Annexure-V

LIST OF CONFERENCES / SEMINARS / WORKSHOPS/ SYMPOSIA ATTENDED AND PAPERS PRESENTED / KEY NOTE ADDRESS DELIVERED/SESSIONS PRESIDED (MENTION NATIONAL/INTERNATIONAL)

S. No.	Name of the seminars/ conferences	Date and place	Title of paper/ special contribution (if any)
1.	Biomedical Workshop on Electron Microscopy	25-29 October, 1986 R.S.I.C., Punjab University, Chandigarh	As Trainee
2.	National symposium on Advances in Mycology (Basic & Applied)	16-18 February, 1987 Botany Department, Punjab University, Chandigarh	An outlook on certain <i>Phytophthora</i> de bary species in India
3.	Post Graduate course on Research Methodology in Potato	1-31 July, 1987 C.P.R.I., Shimla	As Trainee
4.	75th Indian Science Congress	7-12 January, 1988 Pune	A Quantitative & Qualitative analysis of phyllosphere microflora of two cultivars of <i>Cajanus cajan</i> (L.) Millsp.
5.	Workshop on Application of Science and Technology for Rural Development	15-16 October, 1988 Centre for Adult Continuing Education & Extension, K.U. Kurukshetra	As Trainee
6.	National symposium on Plant Science Research in India, Present Status and Future Challenges	28-30 August, 1989, Department of Botany, Punjabi University, Patiala	As Participant
7.	Symposium on New	26-28 December, 1990	<i>Phytophthora</i> taxonomy A

	Spheres of Botanical Researches and Society	Department of Botany, B.H.U., Varanasi	Recent Approach
8.	Symposium on Pathological Problems of Economic Crop Plants & their Management	29-30 April, 1991 C.P.R.I., Shimla	Management of Post-harvest Diseases in India
9.	National Seminar on Biotechnology: New Trends and Prospects	26-28, December, 1996 Department of Botany, G.K. University, Hardwar	As Participant.
10.	Workshop on Population and development	29 August 1997 Department of Biological Sciences R.D. University, Jabalpur	As Participant
11.	National conference on Sustainable Ecosystem and Environment	2-3 November 1998 Department of Zoology, G.K. University, Hardwar	Microflora of Ayurvedic Drugs
12.	National Conference on Status of Indian Environment	27-28May,2001 Department of Zoology and Environmental Science, G.K. University, Hardwar	Chairperson of the Technical Session
13.	91st session of Indian Science Congress Association	3-7January, 2004 Panjab University, Chandigarh	Medicinal Plants of Rigveda
14.	National Seminar on Vedic Agnihotra and Universe	12-14 March, 2004 Gurukul Kangri University, Hardwar	Antimicrobial properties of Agnihotra

15.	International Vedic Conference on Contribution of the Vedas to the world	27-30 January, 2005 Gurukul Kangri University, Hardwar	Antimicrobial activity of Apamarga
16.	State level Workshop on Disaster Management	8-9 March, 2006 Dehradun	As Participant
17.	National Conference on New vistas in microbiology and plant science	19-20 September, 2006 Kanya Gurukul Mahavidyalaya, Hardwar	Antimicrobial activity of medicinal plants against dental infections
18.	National Seminar on Medicinal plants: Conservation, Cultivation and Utilization II,	9-11 March, 2007 Department of Zoology and Environmental Science, Gurukul Kangri University, Hardwar	Antimicrobial activity of Nirgundi (<i>Vitex negundo</i> Linn.)
19.	Workshop on Water Conservation and Management	23 October, 2007 Dev Sanskriti Vishwavidyalaya, Hardwar	As Participant
20.	State Science festival	01-05 November, 2007 State Girls Inter College, Hardwar	As Judge
21.	A program on Development of Multimedia Learning Materials	26- 29 May, 2008 Gurukul Kangri Vishwavidyalaya, Haridwar	As Participant
22.	State level workshop on Formation of Red Ribbon Clubs	26 September, 2008 Dehradun, Uttarakhand	As Participant

23.	National Seminar on Status of Bio-diversity among the Mountainous states of India	15-16 March, 2008 Department of Zoology and Environment Science, Gurukul Kangri Vishwavidyalaya, Hardwar	Studies on phylloplane microflora of Dhak (<i>Butea monosperma</i> Lamk.) Taub.
24.	Workshop on Social Communication Campaign for Prohibition of Pre-natal Determination of sex of Foetus	17 May, 2008 Gurukul Sanskrit Vishwavidyalaya, Hardwar	As Participant
25.	State level training workshop for Drinking Water Parameters Under Networking for Wash Campaign	7 October, 2008. Dehradun, Uttarakhand	As Trainee
26.	Common Wealth Asia Regional Workshop on the Role of Youth in Mitigating the Impact of Climate Change for Sustainable Livelihood	13-18 October, 2008 Dehradun, Uttarakhand, India	As Participant
27.	State level workshop for NSS officers on “Formation of Red Ribbon Clubs”	26 October, 2008 Dehradun, Uttarakhand, India	As Participant
28.	State level Seminar on Human Rights and Social Harmony	30-31 December, 2008 St. John’s College, Agra	As Participant

29.	National Seminar on Status of Biodiversity and Conservation	27-28 February, 2009 Department of Zoology and Environment Science, Gurukul Kangri Vishwavidyalaya, Hardwar	Antimicrobial screening of trikatu and sitopladichurna
30.	Master Trainers Workshop on “Pre-natal Determination of sex and female foeticide	16 March, 2009 Dehradun	As Participant
31.	State level seminar on “International Anti Drug Abuse Day”	26 June, 2009 Dehradun	As Participant
32.	State level refresher workshop of Co-ordinators of Red Ribbon Clubs	18 August, 2009 Dehradun	As Participant
33.	Training Workshop of National Service Scheme - Programme officers	20 August, 2009, Gurukul Kangri Vishwavidyalaya, Hardwar	As Trainee
34.	State Disaster Response Team Training	17-21 November, 2009, Indian Red Cross Society at Dehradun	As Trainee
35.	Red Ribbon Club Training Workshop	28th- 30th January, 2010, Rishikesh	As Trainee
36.	International Conference on Biodiversity and Environmental Governance	21-23 October, 2010. At Haridwar	Presented paper

in Canada and India: Safe
guarding Ecosystems for
Human Welfare

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| 37. | National Symposium on
Microbial Diversity and
Bio-prospecting | 29-30 October, 2010 at
University of Jammu,
Jammu | In vitro antibacterial activity of
<i>Anacycluspyrethrum</i> , <i>Jasminum
grandiflorum</i> , <i>Olea europaea</i> ,
<i>Salvadora persica</i> and <i>Vitex
negundo</i> against dental
pathogens |
| 38. | National Conference on
Modern Trends & Physical
Education & Sports | 9-11 December, 2010
at G.K.University,
Hardwar | Chaired a Session |
| 39. | National Ved Conference
on Present and Future of
Vedas | 18 December, 2010 at
G.K.University,
Hardwar | Physiochemical Analysis and
Elemental Composition of
Plants used in Yagya. |
| 40. | Blood Donor Motivators
Training Programme 2010-
2011 | 21 December,2010 at
Dehradun | As participant |
| 41. | Food Safety and prevention
Act , 2006 | 27-31 December, 2010
at Dehradun | Introduction to Food and Basics
of Food Safety |
| 42. | Marm Science and Marm
Therapy Training
Programme | 31 January to 4
February,2011 | As Participant |
| 43. | World Congress for Man
and Nature- Global Climate
Change & Biodiversity
Conservation | 11-13 November, 2011
at GKU, Hardwar | Medicinal Plants in Vedic
Samhitas |
| 44. | Workshop on Advance
Techniques in Medical
Microbiology | 01 November, 2014 at
Kanya Gurukul
Campus, Haridwar | As Participant |
| 45. | National Conference on
Science & Technology for | 28-30 September, 2015
at FET, GKU, | Evaluation of phytochemical
and antibacterial potential of |

	Indigenous Development in India	Haridwar	<i>Myrica nagi</i> Willd against---- pathogens
46	National Conference on Climate Change, Environmental Hazards and Biodiversity Conservation	27-28 March, 2016 at Najibabad	Invited Speaker In-situ and Ex-situ conservation aspects of Biodiversity
47	Workshop on Patent & Intellectual Property Rights at GKU, Haridwar	07 February, 2015	As Participant
48	National Conference on Recent Advances in Ayurvedic Herbal Medicine – From source to Manufacturing	15-16 September, 2017, Dehradun	In vitro antimicrobial evaluation of <i>Pongamia pinnata</i> extracts against pathogens causing scalp infection
49	National Conference on Basic and Applied Researches in Plants and Microbes	3-5 November, 2016 at Punjabi University, Patiala	In vitro assessment of antimicrobial and phytochemical analysis of <i>Erythrina indica</i> against ear pathogens.
50	Multidisciplinary national seminar on Global Environment and Social Responsibility	30-31 October 2018	Vedic Yajna: A solution to Environmental Problems
51	National Seminar on Global Environment and Social Responsibility	30-31 October 2018 Hindu Girls College, Jagadhri	Presented paper: Vedic Yajna: A Solution to Environment Problems
52	National Seminar on Biotechnology and Covid-19 Pandemic	4 December, 2021 C.L. Degree College, Landaura, Uttarakhand	Role of Biotechnology in Covid vaccine development Invited Speaker Role of immunomodulatory drugs in Covid-19 pandemic
53	National Seminar on	5 December, 2021 C.L.	Invited Speaker Climate

	Climate Change and Water Security: Challenge for Adaptive Water Management	Degree College Landaura, Uttarakhand	Change and Water Security: Challenge for Adaptive Water Management
54	Faculty Development Program on Opportunities and Challenges in Different Sectors of Biotechnology Post Pandemic	8-12 March, 2021 UIET, Kurukshetra University, Kurukshetra	Resource Person: Immunity Boosting Herbal Drugs in Recent Scenario
55	National Seminar on the Occasion of National Science Day-2021	27-28 February, 2021 Gurukul Kangri (DU), Haridwar	As Participant
56	ETI Sponsored Program, National Service Scheme	8-14 March, 2021, Gurukul Kangri (DU)	Invited Lecture on Youth Health
57	One day workshop on under collaboration with Uttarakhand science education & Research Centre (USERC)	18 th april 2024, Phonics Groups of Institutions, Roorkee	Invited lecture: Delivered a lecture on the topic “Study Of Plant Leaves As An Option For Dinning Plates, Food Wraps And Food Packaging Material: Importance Of Renewable Resources In Indian Culture”
