


## CURRICULUM VITAE

<b>Full Name</b>	Dr. Prabhakar Prasad Badoni		
<b>Designation</b>	Professor & Head		
<b>Department</b>	Chemistry		
<b>Campus</b>	BGR Campus Pauri		
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<b>Education Qualification</b>	Degree (Year), University M.Sc. 1986, HNBGU, Srinagar M.Ed. 1988, HNBGU, Srinagar D. Phil. 1998, HNBGU, Srinagar		
<b>Teaching Experience</b>	31 Years	<b>Research experience</b>	25 Years
<b>Area of Interest/ Specialization</b>			
<ol style="list-style-type: none"> <li>1. Phyto-chemistry of Medicinal plants</li> <li>2. Water Chemistry</li> <li>3. Nanochemistry</li> </ol>			
<b>Honours &amp; Awards</b>			
<ol style="list-style-type: none"> <li>1. Felicitation Award - 2019 in the National Conference on 'The Himalayas : At the Cross-Roads of Environment and Development' by Padma Bhushan Shree C.P. Bhatt at HNB Garhwal University BGR Campus, Pauri.</li> <li>2. Himalaya Aur Hindustan Gaurav Award - 2011 by Himalaya and Hindustan Foundation at Rishikesh on 29/12/2011.</li> <li>3. Honoured by Ex. Deputy Prime Minister of India, Shri Lal Krishan Adwani for Conservation &amp; Clean Ganga Campaign "Sparsh Ganga Campaign" in Uttarakhand on April, 2010.</li> <li>4. Common Wealth Silver Medal Award - 2008 for Himalayan Conservation of Mountain Ecosystem under Planet Earth Programme.</li> <li>5. State Level Vivekanand Award - 2006 by His Excellency Hon'ble Governor of Uttarakhand.</li> </ol>			
<b>Membership of Academic Institutions/Scientific Organization</b>			
<ol style="list-style-type: none"> <li>1. Life Member of Indian Association of Chemistry Teachers.</li> <li>2. Life Member of Journal of Mountain Research.</li> <li>3. Member/Coordinator of Uttarakhand State Council for Science &amp; Technology, Dehradun.</li> <li>4. Member of Career Counselling Cell, HNB Garhwal University BGR Campus, Pauri.</li> </ol>			
<b>Research Supervision (No. of D.Phil. Degree Awarded/ Registered)</b>			
Awarded- 08 Registered- 01			
<b>Research Project/MoU undertaken</b>			
Title: Investigation, Identification, Processing and Analysis of Plant Based Pesticides of Pinder Valley. Funding agency: Uttarakhand State Council for Science & Technology, Dehradun.			
<b>Patents</b>			
<ol style="list-style-type: none"> <li>1. S Saklani, S Chandra, DP Saklani, <b>PP Badoni</b>, S Semwal and A Mathur. A polyhedral formulation for the treatment of diabetes mellitus and its associated complications. Patent office Journal no. 26/2022 dated 01/07/2022.</li> <li>2. G Kumar, M Bhatt, A Semwal, M Danish, R Pandey, <b>PP Badoni</b>, AS Farswan and A Kumar. AUNP-PVP-Gongerol conjugate an method of preparation for improving 6-Gingerol,s bioavailability. Patent office Journal no. 30/2022 dated 29/07/2022</li> </ol>			
<b>Administrative Experience</b>			
<ol style="list-style-type: none"> <li>1. Campus Director, HNB Garhwal University BGR Campus, Pauri from Nov., 2021 to till date.</li> <li>2. Head of Department, HNB Garhwal University Srinagar (Garhwal), Uttarakhand from Feb., 2022 to till date.</li> <li>3. Head of Department, HNB Garhwal University BGR Campus, Pauri from July, 2018 to till date.</li> <li>4. Coordinator, Namami Ganga Cell of HNB Garhwal University Srinagar (Garhwal), Uttarakhand from 2021 to till date.</li> <li>5. Chief Proctor, HNB Garhwal University BGR Campus, Pauri from 2015-2017.</li> <li>6. Member Secretary/ Officer on Special Duty to Chief Minister of Govt. of Uttarakhand in Sparsh Ganga Board Uttarakhand, Dehradun from 2011-2014.</li> <li>7. Chief Proctor of HNB Garhwal University, Campus Pauri during session, 2010-11.</li> <li>8. Member of Proctor Board during the session, 2009- 10.</li> <li>9. Coordinator, National Service Scheme of HNB Garhwal University BGR Campus, Pauri from 2007-2010.</li> <li>10. District Coordinator, National Service Scheme of Pauri Garhwal from 2006-2007.</li> <li>11. Programme Officer and Senior Programme Officer, National Service Scheme of HNB Garhwal University BGR Campus, Pauri from 1997-2005.</li> </ol>			

## Research Papers Published in Journals (2006-2022)

2022

1. Ganesh Kumar, Meenakshi Bhatt, **PP Badoni**. Citric acid topical lecithin pluronic organogel used as anti-skin ageing: Development and characterization. *Indian Journal of Pharmaceutical Education and Research*. 2022;56(3):s422-s431.

2021

2. Ganesh Kumar, Meenakshi Bhatt and **PP Badoni**. Micro beads loaded bio adhesive vaginal gel of Voriconazole: Development and characterization. *Indian Journal of Novel Drug Delivery*. 2021;13(3):125-135.

2020

3. Goutam Kumar, **PP Badoni**, Arun K Khajuria, Mahender Singh, Sapna Tyagi and Navneet Singh. *Cotoneaster acuminatus* leaf extract mediated synthesis, characterization and in vitro evaluation of antimicrobial activity of Zinc Oxide nanoparticles. *Oriental Journal of Chemistry*. 2020;36(6):1043-1048.

2019

4. **PP Badoni**, Goutam Kumar *et al.* *Geranium wallichianum* leaf extract mediated synthesis of silver nanoparticles: characterization and its antimicrobial activity. *Asian Journal of Chemistry*. 2019;31(5):1128-32.

2018

5. **PP Badoni**, Jyoti Kundal and Goutam Kumar. Biosynthesis of ZnO nanoparticles using *G. nepalense* leaf extract, characterization and their antibacterial activity. *Journal of Applicable Chemistry*. 2018;7(1):12-118.
6. Goutam Kumar, **PP Badoni** and Mahender Singh. Bio-inspired synthesis of silver nanoparticles from *Cotoneaster acuminatus* leaf extract and their characterization. *International Journal of Advance Research in Science and Engineering*. 2018;7(1):135-139.

2017

7. Harpreet Singh, Rakesh Raturi and **PP Badoni**. Isolation of Secondary Metabolites from the Roots of *Salix babylonica*. *IOP Conference Series: Material Science and Engineering*. 2017;225:1-7.
8. Goutam Kumar and **PP Badoni**. Antimicrobial activity of *Rhus parviflora* Roxb.: leaves extract mediated synthesized ZnO nanoparticles. *International Journal of ChemTech Research*. 2017;10(7):377-381.

2016

9. **PP Badoni**, Goutam Kumar, Reena Purohit, Mahender Singh and Arun K. Khajuria. Antibacterial activity of biosynthesized ZnO nanoparticles against gram positive (*Staphylococcus aureus*) and gram negative (*Pseudomonas aeruginosa*) bacteria: a comparative study. *International Journal of Advanced Research*. 2016;4(12):1804-1808.

2015

10. Rakesh Raturi, **PP Badoni** and Radha Ballabha. Insecticidal and Fungicidal Activities of Stem bark of *Prunus persica* (L) Batsch. *World Journal of Pharmacy and Pharmaceutical Sciences*. 2015;5(1):1239-1245.

2014

11. Rakesh Raturi, **PP Badoni** and Radha Ballabha. Insecticidal and Fungicidal Activities of Stem Bark of *Zanthoxylum armatum* (Rutaceae). *World Journal of Pharmacy and Pharmaceutical Sciences*. 2014;3(3):1838-1843.
12. RB Semwal, DK Semwal, **PP Badoni** and P Kapoor. Dyeing Performance of Aqueous Extract and Flavanone Glycosides from the Flowers of *Butea monosperma* (Lam.) Kuntze. *Records of Natural Products*. 2014;8(1):66-70.
13. M Semalty, **PP Badoni**, D Singh and A Semalty. Modulation of solubility and dissolution of furosemide by preparation of phospholipid complex. *Drug, Development and Therapy*. 2014;5(2):172.

2013

14. SC Sati, H Singh, **PP Badoni** and MD Sati. Screening of Fungicidal Activity of *Salix* and *Triumfetta* Species of Garhwal Himalaya. *American Journal of Phytomedicine and Clinical Therapeutics*. 2013;1(5):486-489.
15. DS Rawat, BK Thakur, M Semalty, A Semalty, **PP Badoni** and MSM Rawat. Baicalein- phospholipid complex: a novel drug delivery technology for phytotherapeutics. *Current Drug Discovery Technologies*. 2013;10(3):224-232.

2012

16. Rakesh Raturi, SC Sati, **PP Badoni**, Harpreet Singh and MD Sati. Chemical constituents of *Prunus persica* Stem Bark. *Journal of Scientific Research*. 2012;4:769-774.
17. S Saklani, S Chandra, AP Mishra and **PP Badoni**. Nutritional evaluation, antimicrobial activity and Phytochemical screening of wild edible fruit of *Myrica nagi* pulp. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2012;1(1):407-411.
18. S Saklani, S Chandra, **PP Badoni** and S Dogra. Antimicrobial activity, nutritional profile and Phytochemical screening of wild edible fruit of *Rubus ellipticus*. *International Journal of Medicinal and Aromatic Plants*. 2012;2(2):269-274.

2011

19. SC Sati, Manisha D Sati, Rakesh Raturi and **PP Badoni**. A New Flavonoidal Glycosides from Stem Bark of

*Zanthoxylum armatum*. *IJPI's Journal of Pharmacognosy Herbal and Formulations*. 2011;1(2):28-32.

20. Rakesh Raturi, Harpreet Singh, P Bahuguna, SC Sati and **PP Badoni**. Antibacterial and antioxidant activity of methanolic extract of bark of *Prunus persica*. *Journal of Applied and Natural Science*. 2011;3(2):312-314.
21. SC Sati, MD Sati, Rakesh Raturi, **PP Badoni** and Harpreet Singh. Anti-Inflammatory and antioxidant activities of *Zanthoxylum armatum* Stem Bark. *Global Journal of Research in Engineering*. 2011;11(5):19-21.
22. Rakesh Raturi, SC Sati, Harpreet Singh, MD Sati, **PP Badoni** and P Bahuguna. Insecticidal activity of *Anaphalis busua* leaves against Mustard Aphid *Liphaphis erisimi*. *IJPI's Journal of Pharmacognosy Herbal and Formulations*. 2011;1(6):51-54.
23. Rakesh Raturi, SC Sati, Harpreet Singh, MD Sati, P Bahuguna and **PP Badoni**. Chemical Examination and Anti-inflammatory Activity of *Prunus persica* Stem Bark. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2011;3(5):315-317.
24. R Badoni, DK Semwal, **PP Badoni**, SK Kothiyal and U Rawat. A novel bacteriophenol from *Celtis australis* L. bark. *Chinese Chemical Letters*. 2011;22(1):81-84.

#### 2010

25. Prasanna Bahuguna, Rakesh Raturi, Harpreet Singh and **PP Badoni**. Chemical Constituents from the leaves of *Osmanthus fragrans*. *Asian Journal of Chemical & Environmental Research*. 2010;3(2):6-8.
26. G Kumar, V Juyal and **PP Badoni**. Formulation and Evaluation of Matrix Tablets of Acarbose. *Drug Invention Today*. 2010;2(5):264-267.

#### 2009

27. G Kumar, V Juyal, **PP Badoni**, S Kumar and MSM Rawat. Spectrophotometric Method Development of Acarbose from bulk and in its Tablet dosage form. *Journal of Pharmacy Research*. 2009;2(10):1595-1597.
28. G Kumar, V Juyal, **PP Badoni**, S Kumar, MSM Rawat and A Semalty. Formulation and release kinetic study of hydrogel containing acarbose using polymers as Hydroxypropylmethyl cellulose and Guar gum. *Journal of Pharmacy Research*. 2009;2(3):370-374.
29. **PP Badoni**, P Bahuguna, R Raturi and MC Purohit. An irroidal glycoside from the root of *Solanum pseudocapsicum*. *Asian Journal of Chemical & Environmental Research*. 2009;2(1-2):10-12.

#### 2008

30. **PP Badoni**, SC Sati and A Barthwal. Chemical Constituents from the Bark of *Quercus leucotrichophora*. *Journal of Mountain Research*. 2008;3:151-154.
31. G Kumar, P Mittal, V Juyal, **PP Badoni**, AC Agrawal and M Pant. Formulation and Comparative Release Kinetic Study of Dexamethasone Matrix Tablets on Colon Targeting. *The Pharma Review*. 2008;171-172.

#### 2007

32. **PP Badoni** and SC Sati. Isolation of Triterpenes from the Root of *Viburnum mullaha*. *Journal of Mountain Research*. 2007;1:93-96.

#### 2006

33. P Bahuguna, **PP Badoni**, M Aswal and A Barthwal. On the use of Herbal Medicines in Pauri Garhwal, Uttaranchal. *Journal of Mountain Research*. 2006;1:155-159.

#### Articles/Chapters published in Books

1. Prasanna Bahuguna, **PP Badoni**, Pankaj K Bahuguna and HK Joshi. Medicinal Uses of Glabrous Trees (*Osmanthus fragrans*) in Pauri Garhwal Region. *Multifacial Application of Drug Plants*. 2008;223-225.
2. Prasanna Bahuguna, **PP Badoni**, HK Joshi and Pankaj K Bahuguna. Medicinal Use of Plant *Solanum pseudocapsicum* found in Garhwal Himalaya. *Phytochemicals: a Therapeutant for Critical Disease Management*. 2008;269-271.
3. **PP Badoni**, AK Dobriyal, PK Bahuguna and HK Joshi. Rare Medicinal Plants as Used in the Folklore of Garhwal Himalaya. *Medicinal Plants Conservation, Cultivation and Utilization*. 2007;183-187.

#### Conference/Symposium/workshop attended/ participated

##### International

1. International Conference cum workshop on 'Sustainable Entrepreneurship Development Practices in Tourism and Hospitality Sector in the Himalayan State' on 28-30<sup>th</sup> April, 2017 at Rishikesh.
2. International Workshop on 'Source, Treatment and Distribution of Drinking Water' at Indian Council of Forestry Research and Education, Dehradun on 14-15<sup>th</sup> Sept., 2009.
3. Common Wealth Asia Regional Workshop on 'Role of Youth in Mitigating the Impact of Climate Change for Sustainable Livelihood' at FRI Dehradun during 13-18<sup>th</sup> Oct., 2008.

##### National

1. Brain Storming Session on 'Himalayan Knowledge Network' during 14th USSTC (2019-2020) at UCOST, Dehradun on 27-29th Feb., 2020.
2. Workshop on 'In-Service Training and Sensitization of Key Functionaries of Central and State Governments, Local Bodies and other Service Providers' organized by UOU, Haldwani at BGR Campus, Pauri from 31 May-01 June, 2019.

3. Biotech Conclave on 'A Pragmatic approach to foster Uttarakhand Biotech policy 2018-23 from an entrepreneurial perspective- action framework to achieve goals' during USSTC (2018-2019) on 26-28th Feb., 2019.
4. National Conference on 'Recent Frontiers in Chemistry' organized by Department of Chemistry, HNB Garhwal University Srinagar Garhwal on 27-28th April, 2018.
5. Brain Storming Session on 'Significance of Science Communication in INdian Himalayan Region during 12th USSTC 2017-18 at UCOST, Dehradun on 7-9th March, 2018.
6. National Conference on 'Monitoring and Management of Drinking Water Quality' during 21-23<sup>rd</sup> Dec., 2015
7. Workshop on 'National Science Day-2015' on 28<sup>th</sup> Feb., 2015 at Dehradun.
8. Geospatial and Training Workshop on 'Management of Water Resources Glaciers and Climate Change with special reference of Uttarakhand' on 01-03<sup>rd</sup> Nov., 2014 at Nation Institute of Hydrology Roorkee.
9. Brain Storming session on 'Assessment of Impact of Flood on River Bank Filtration sites in Uttarakhand' on 18<sup>th</sup> Oct., 2014 at Nation Institute of Hydrology Roorkee.
10. Conference on 'Innovation Ecosystem- Indian Perspective' during 27-28<sup>th</sup> Feb., 2014 at University of Petroleum and Energy studies, Dehradun.
11. Workshop on Biodiversity Concerns for Education and Sustainable Development Practices on 21<sup>st</sup> Feb., 2013 at Dehradun.
12. Brain Storming Session (organized under WTI Programme) on 'Water Quality Management and River Bank Filtration' on 07<sup>th</sup> Jan., 2012 at Graphic Era University Dehradun.
13. Workshop and Brain storming session on Water Quality Management and River Bank Filtration on 04<sup>th</sup> Feb., 2012 at University of Petroleum and Energy studies, Dehradun.
14. 3rd USSTC organised by UCOST on 10-12<sup>th</sup>, Nov., 2009 at GB Pant University of Agriculture and Technology, Pant Nagar.
15. 3rd USSTC organised by UCOST on 10-11<sup>th</sup> Nov., 2008 at Dehradun.
16. National Seminar on 'Eighth National Convention of Chemistry Teachers 2008' at HNB Garhwal University, Srinagar on 08-09<sup>th</sup> Nov., 2008
17. 1st State Science and Technology Youth Festival 2008 on 'Conservation of Mountain Ecosystem under Planet Earth Programme' during 28th Feb., - 2nd March, 2008 at Dehradun.
18. International Australian National Chemistry Quiz Workshop organized by Uttarakhand State Council for Science and Technology at Mussoorie on 11<sup>th</sup> Aug., 2007.
19. National seminar on 'Medicinal Plants: Conservation, Cultivation and Utilization' on 09-11<sup>th</sup>, March, 2006 at GKV, Haridwar.
20. State Youth Festival Organized by NSS Cell, Govt. of Uttarakhand at GB Pant University of Agriculture and Technology, Pant Nagar, during 24-30<sup>th</sup> Dec., 2005.
21. National Integration Camp sponsored by Ministry of Youth, Affairs and Sports, Govt. of India, during 9-15<sup>th</sup> Nov., 2005.
22. National Workshop on 'University Talk AIDS' at Dr. BR Ambedkar University, Agra, sponsored by Ministry of Youth, Affairs and Sports, Govt. of India, during 27-30<sup>th</sup> July, 2004.
23. National Workshop on 'Radiochemistry and Applications of Radioisotopes', organized by HNB Garhwal University, Srinagar and Bhabha Atomic Research Centre, Mumbai during 29<sup>th</sup> April-7<sup>th</sup> May, 2003.
24. National Seminar on 'Recent Advances in Natural Product Chemistry' at HNB Garhwal University, Srinagar during 5-7<sup>th</sup> Nov., 2001.

#### **Invited Talk/Lecture**

1. Delivered an invited talk during 20-22<sup>nd</sup> Sept., 2017 on 'Sustainable Mountain Development Summit-VI' at Aizawl, Mizoram.
2. Delivered an invited talk on 'River Conservation in Uttarakhand through Public Participation' before Hon'ble Minister for Water Resources, River Development and Ganga Rejuvenation, Miss Uma Bharti on 18<sup>th</sup> Nov., 2014 at Shram Shakti Bhawan, New Delhi.
3. Delivered an invited talk on 'National Dialogue on River Ganga' on 7<sup>th</sup> July, 2014 at Vigyan Bhawan New Delhi organized by Ministry of Water Resources and National Mission for Clean Ganga Govt. of India, New Delhi.
4. Delivered an invited talk for N.S.S. Programme Officer of Uttarakhand on 24<sup>th</sup> Jan., 2014 at Haridwar organized by Kumaun University, Nanital.
5. Delivered an invited talk on 'Social Harmony and Environment' to the N.S.S. Programme Officer of Uttarakhand 19<sup>th</sup> March, 2013 at Graphic Era University Dehradun organized by Kumaun University, Nanital.
6. Delivered a lecture on 'Bio resources' at 4<sup>th</sup> USSTC at UCOST Dehradun during 10-12<sup>th</sup> Nov. 2009.
7. Delivered a lecture on 'Climate Change' at 3<sup>rd</sup> USSTC at UCOST Dehradun during 10-11<sup>th</sup> Nov. 2008.
8. Delivered a lecture on 'Man and Nature' in Capacity Building Seven day Training Programme, organized by NYK, Pauri on 26<sup>th</sup> Oct. 2008.
9. Delivered a lecture on 'Green Chemistry' at 2<sup>nd</sup> USSTC at UCOST Dehradun during 15-17<sup>th</sup> Nov. 2007.

**Conference/Symposium/Workshop organized**

1. Training Workshop for 'Capacity Building of Educational Institutions about Water Quality with Special Reference to Water Safety and Security' at BGR Campus Pauri on 24th Dec., 2021.
2. Outreach Orientation Training Workshop on 'Drinking Water Quality for Educational Institutions and Stakeholders' at Ghansali, Tehri Garhwal on 31st Dec., 2020.
3. Workshop on 'Water Quality Data Presentation of Nailchami tributary' at Dangi Nailchami, Tehri Garhwal on 30th Dec., 2020.
4. Workshop on 'Water quality Parameters' at Nailchami, Uttarakhand on 27th Sept., 2020
5. One Day Workshop on 'Intellectual Property Rights' on 26th March, 2019 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
6. Two Days National Conference on 'Ganga ki Sanskriti aur Ganag ka Samaj' at Rishkesh on 23-24th Feb., 2019.
7. Ist Annual Conference of Society for Himalayan Action Research And Development (Sharad) on 'Recent Advances In Chemical and Nano Sciences' at HNB Garhwal University BGR Campus, Pauri on 29-30th Oct., 2018.
8. Science Popularization Lecture on 'Application of Radioisotopes for Societal Benefits' on 22nd April, 2018 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
9. Orientation Workshop under Innovation of Science pursuit for Inspired Research DST Programme on 28<sup>th</sup> Feb., 2016 at Pauri Garhwal.
10. One Day Workshop on 'Carrier Guidance' on 14<sup>th</sup> Nov., 2016 at Auditorium Badrinath road Kotdwara.
11. One Day Workshop on 'Role of Sanskrit Teachers in Conservation of River Ganga and their tributaries' at Jwala Pur, Haridwar on Feb-2014 with the collaboration of Sanskrit University Haridwar
12. Workshop on Vad-Vivad session on 'Implementation of National Water policy in Uttarakhand' on 5<sup>th</sup> Dec., 2014 at HNBSGU, Campus Pauri.
13. One Day Workshop on 'Save Planet Earth for Future Generation' on Earth Day, 22<sup>nd</sup> April, 2010 at Auditorium Pauri.
14. One Day Workshop on 'Intellectual Property Right' on Oct., 2009 at Nanda Hall, HAPPRC, HNB Garhwal University, Srinagar.
15. One Day Workshop on 'Intellectual Property Right' on 7<sup>th</sup> Aug., 2009 at Auditorium Pauri.
16. One Day Workshop on 'Save Planet Earth for Future Generation' on 22<sup>nd</sup> April, 2009 at NSS Hall, HNB Garhwal University, Campus Pauri.
17. One Day Workshop on 'Natural Resources and Man' on Earth Day 22<sup>nd</sup> April, 2008 at Auditorium Pauri.
18. Three Days workshop on 'Awareness and Role of Individual in Environmental Protection' from 7 to 9<sup>th</sup> April, 2008 at Auditorium Pauri.

**Innovative Programme****1. Lab to Land programme**

Under 'Lab to Land' programme, for improving efficiency of livelihood system, more than 300 women of rural area were trained for making detergent powder, agarbati, etc. with the financial support of Uttarakhand State Council of Science & Technology (UCOST), Dehradun at various sites of District Pauri (Garhwal), Uttarakhand.

**2. Sparsh Ganga Campaign**

As a Programme Coordinator of NSS Cell of HNB Garhwal University launched 'Sparsh Ganga Campaign' to aware and develop a culture among the people of the state towards the protection and cleanliness of River Ganga. This campaign was executed collectively in Uttarakhand to clean and conserve River Ganga and its tributaries under NSS programme of HNB Garhwal University. About 40,000 volunteers and 350 faculty programme officers, with huge passion, enthusiasm and active participation, contributed/ served in this river campaign at 63 sites of different districts of Uttarakhand. The auspicious day 17<sup>th</sup> Dec., 2009 was dedicated to this campaign so as to culture the inner soul and cultivate a sense of belongingness of NSS volunteers of Uttarakhand for cleanliness of River Ganga.