

CURRICULUM VITAE



1. Name in full: **Dr.Devi Prasad Uniyal**
2. Designation: **Senior Scientific Officer**
Address: **State Council for Science & Technology, Uttarakhand
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Uttarakhand, INDIA**
3. (a) Date of Birth : **18-08-1973** (b) Gender : **Male**
4. Nationality: **Indian**

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5. Educational Qualifications:

S. NO.	Degree/Diploma	University/Institution	Year
1.	B.Sc	H.N.B.Garhwal University (Srinagar)	1993
2.	M.Sc	H.N.B.Garhwal University (Srinagar)	1995
3.	Ph.D	H.N.B.Garhwal University (Srinagar)	2002
4.	Post Graduate Diploma in Remote Sensing and GIS in Forestry & Ecology	Indian Institute of Remote Sensing (IIRS), Deptt. of Space, Govt. of India, Kalidash Road, Dehradun	2005 (March to December, 2005)

6. Research contributions

Since 1996 (more than 23 years) I am actively engaged in research work on Taxonomy, Ecology and Hydro-biology of Freshwater Fish, I have worked in various ecosystems / states of the country, Himalayan region (Uttarakhand, Himachal Pradesh and Jammu & Kashmir), Central India (Madhya Pradesh), Shiwalikregion (Uttar Pradesh, Punjab and Haryana). During my tenure at Zoological Survey of India (1996-2006), I completed 8 coordinated and 2 independent projects. The outcome of those studies is included new fish recordsfrom Uttar Pradesh, Uttarakhand, Himachal Pradesh. Fish fauna of Uttarakhand and HimachalPradesh had been publishedin a book apart from many researchpapers in reputed journals. I am a Member of Environment Impact Assessment (EIA) teamhaving intensively studied the fishery component of various aquatic ecosystems. Besides this I am also applying the Remote Sensing and Geographical Information System techniques learned during the P.G. diploma at IIRS, Dehradun for analyzing the data ofwater related issues and habitat suitability.I have Organized and presented my research findings in International seminars (including Italy and

Germany) as well as in National Seminars. I am guiding research students of various Universities/ Institutes for PhD & Dissertation related to Taxonomy, and Ecology, Water quality and on Science & Technology issues and Evaluating Ph.D thesis of various Universities in the Country. I am regularly delivering popular lectures at various platforms. At UCOST I am engaged in R & D projects and currently handling 6 research projects as Principal Investigator (P.I.) funded by the Department of Science & Technology (mainly on Water quality analysis, Water Sanitation, Climate Change, Biodiversity conservation, Spatial data Analysis using RS & GIS, Media Centre & Science popularizing/Science Communication). Being the In-Charge of Science popularization Division I am designing and implementing various awareness programmes on Science & Technology issues with line departments, Universities /Institutes/ NGO'S. Apart from UCOST activities I am actively engaged in Organizing, Coordinating, Monitoring and Implementing Science Popularization and Science Communication programs of the National Academy of Sciences India (NASI), Uttarakhand Chapter. I am also delivering lectures on Biodiversity, Scientific Paper & Project Writing, Water issues, IPR etc. in NASI programs organized by Chapter and NASI, Allahabad on regular bases.

Research Projects:

S. No.	Title of the Project	Duration	Total Cost	Funding Agency	From To
1	Harike wetland, Amritsar, Punjab (Ramar site) (Studied Fish Component)	1 year	1 Lakh	ZSI, Kolkata	1998-1999
2	Western Himalayas Cold Desert, Ladakh (J&K,) (Studied Fish Component)	5 years	7.5 Lakh	ZSI, Kolkata	1996-2002
3	Pong Wetland Kangra, Himachal Pradesh (Ramsar Site) (Studied Fish Component)	2 years	3.2 Lakh	ZSI, Kolkata	1997-1999
4	Biodiversity of Punjab Shiwalik Hills, Punjab (Studied Fish Component)	3 years	15 Lakh	PCS&T, Punjab	1999-2002
5	Western Doon Shiwalik, Uttarakhand (Studied Fish Component)	4 years	4 Lakh	ZSI, Kolkata	2002-2006
6	Western Himalaya-Himachal Pradesh (Studied Fish Component)	6 years	10 Lakh	ZSI, Kolkata	1996-2002
7	Western Himalaya-Uttarkhand (Studied Fish Component)	3 years	12 Lakh	ZSI, Kolkata	2002-2005
8	Corbett Tiger Reserve (Studied Fish Component)	2 years	5 Lakh	ZSI, Kolkata	2002-2004
9	Fish Diversity of Shiwalik and Chakrata hills	2 years	1.2 Lakh	ZSI, Kolkata	1999-2001
10	Reintroduction of Asiatic Lion (<i>Panthers leo perscia</i>) to Kuno Wildlife Sanctuary (Madhya Pradesh) : Remote Sensing & GIS Approach- In collaboration with Indian Institute of Remote Sensing, Dehradun	1 year	0.7 Lakh	ZSI, Kolkata	2005
11	S&T Intervention in Traditional and Rural Crafts	2 years	6.50 Lakh	DST, New Delhi	2008-10
12	Rajat Jayanti Sanchar Fellowship	2 years	2.19 Lakh	DST, New Delhi	2010-12
13	Physical and Chemical Analysis, Testing, Training and Awareness of Potable Water and Water Sources of Uttarakhand	4 years	78.11 Lakh	DST, New Delhi	2009-13
14	River Bank Filtration Technique for Safe Drinking Water in Uttarakhand	3 years	631.94 Lakh	DST, New Delhi	2010-13
15	National Science Day	Ongoing	45 Lakh	DST, New	2007 – till

	(since 2007- till date)			Delhi	date
16	Scientific Evaluation of Water Purification System (Phase-I & II)	3 years	39.91 Lakh	DST, New Delhi	2010-13
17	Inspire Programme (State Coordinator) since 2010 to 2015	5 years	26.46 Lakh	DST, New Delhi	2011 – till date
18	WASH Programme	7 Years	19.92 Lakh	DST, New Delhi	2008- till 2015
19	Handbook (Manual) on “Bank filtration Technique”(A supplementary proposal to the Country –wide Capacity building program on “Bank filtration for sustainable drinking water supply	2.5 Years	Rs. 11,82,000=001 Year	WTI-DST(GOI), New-Delhi	2016-2019
20.	State Spatial Data Infersture (SSDI) Geopartal	7 Years	3.64 Crore	NSDI-DST(GOI), New-Delhi	2012-2019
21.	Impact of Water Quality and Health Hygen in Tribal areas of Garhwal Region , Uttarakhnad	2 Years Ongoing	7.5 Lakh	NASI , Prayaraj, U.P.	2019-2020
22.	Modelling for Enhancing Water Quality in Uttarakhand using Geospatial Technology	3 Years On going	50.46 Lakh	WTI-DST(GOI), New-Delhi	2017-2020

7. Science Popularization and Management:

At UCOST I am heading the Science Popularization Division & Research & Development Division (Externally funded) and Designing, Organizing, Coordinating, monitoring and implementing Science Popularization and Science Communication activities in different platform, and also looking after the Publication and Documentation Division since 2006 to till date. Apart from UCOST activities I am actively engaged in Organizing, Coordinating, Monitoring and Implementing Science Popularization and Science Communication programs of the National Academy of Sciences India (NASI), Uttarakhand Chapter. I am also delivering lectures on Biodiversity, Scientific Paper & Project Writing, Water issues, IPR etc. in NASI programs organized by Chapter and NASI, Allahabad on regular bases.

(i) The National Academy of Sciences India, Uttarakhand Chapter established in 2006, since then I am coordinating the chapter activities till date under the guidance of officebearers. I have tried to popularize NASI activists in the state and established closed linkage with University (Garhwal, Kumaun, Petroleum, Graphic Era, Himalayan, Uttarakhand Technical etc) various Central & State govt. Institutes. Besides this I am also regularly delivering popular lecture on Biodiversity, Water quality, Project writing, IPR issues in NASI program organized by Chapter and NASI, Allahabad.

Under the chapter I have Coordinated/Organized the below mention activities.

1. NASI Plenary Lecture
2. Popular lecture series
3. Workshp/Seminars
4. National Science Day
5. World Environment day
6. IPR Awareness camp

7. Brain storming sessions
8. Science Awareness Exhibition
9. State Science Congress
10. NASI Science Teacher Award
11. INSPIR Awareness Camp

All the above events widely popularize through print and electronic media. Beside this every year the chapter annual report published highlighting activities, as well as workshop reports published in current science and other scientific magazine. Regularly attending NASI Annual meeting and presenting chapter progress.

(ii). Coordination of Science Popularization and Science Communication activities:

- **Universities/Institutes:** Coordinating and Organizing Popular Science Lecture/Seminars/Workshop/Conferences on various issues of Science and Technology in collaboration with various University/ Institute of the Country.
- **District Coordinators Activities:** Coordinating various activities of Council's District Coordinators for Science Popularization & EDP promotion.
- **VigyanPrasar Kendra's:** Coordinating the VPK's activity of Garhwal & Kumaun division & guided them for further Science Popularization & EDP activities.
- **Worked as Council's Public Relation Officer (PRO)** for 7 years and established close link with media for Science promotion.
- **State Coordinator for Children Science Congress, Deptt. of Science & Technology, Govt. of India**
- **State Coordinator of INSPIR Program, Deptt. of Science & Technology, Govt. of India**

(iii). Coordination of Patent Information Centre (PIC), Uttarakhand funded by Deptt. of Science & Technology: Established Patent Information Centre in Council and facilitating Scientists, Students and Entrepreneurs for Patent filing and organized more than dozen awareness workshop in different part of the state

(iv). Coordination & Implementation of DST (New Delhi) Project/Program:

- **Evaluation, Implementation and Coordination** of project proposal to be submitted by Council to the DST, DBT, MOEF and Ministry of Water resources, New Delhi, for Research & Development, Science Popularization & EDP activities in the state .

- **Participating** in the meeting held at Department of Science & Technology Ministry of Environment & Forest, Govt. of India, (Delhi).
- **Coordinating workshop** on various issues of Science & Technology in collaboration with Department of Science & Technology Govt. of India, Delhi (Planet Earth Activity, Year of Astronomy, Water and Sanitation Campaign etc.).

(v). Coordination of Research and Development Activities:

- **Evaluation, Coordination and Implementation** of Research and Development program /projects and presently handling 5 R & D projects as Project Investigator.
- **Coordination of State Science & Technology Congress.**
- **Guiding students for research** mainly on Taxonomy and Science & Technology issues.
- **Evaluation** of the Thesis and Conducting Viva –Voice for various Universities of the Country

(vi) Evaluation of research papers/articles for National and International Journals on Fish Taxonomy, Ecology, Wildlife Management and Science & Technology management.

(vii) Research and Advisory Committee (Expert Member) of Department of Science & Technology (Govt. of India), Uttarakhand State Biodiversity Board, Uttarakhand Environment & Pollution Board, Uttarakhand Renewal Energy Department, State Govt. (Uttarakhand) nominee for Innovation & Skill development committee.

Popular/Invited Lectures and Talk (As resource person):

Regularly delivering the lecture and talks on Aquatic Biodiversity, Wildlife Management, Project Writing & Funding Mechanism and Science & Technology issues to the Scientists and Student in Forest Research Institute, Academy Staff College, Kumaun University, H.N.B. Garhwal University (Central), Srinagar, Garhwal, Gurukul Kangri University, Haridwar, Zoological Survey of India (MOEF), Indian Institute of Remote Sensing (IIRS), Wildlife Institute of India (WII) , Colleges across the Country and talk in Radio and Television.

8. Research Paper Published/Accepted

1. **Uniyal, D.P.**, Rajendra Dobhal, N.C.Ghosh and J.S.Aswal (2019). Awareness Strategies on Bank Filtration in India, 115-126 In: Guidelines on Bank Filtration for Water Supply in India, (Ed.Rajendra Dobhal, D.P.Uniyal, N.C. Ghosh, Thomas

Grischek and Carnelius Sandhu), Publisher, Bishen Singh and Mahander pal Singh, Dehradun, India.

2. Sandhu, Carnelius, Thomas Grischek, P.C.Kimothi, N.C.Ghosh, Sudhir Kumar, P.S.Patwal, S.K.Sharma, Subodh Kumar, H.P.Uniyal, **Uniyal, D.P.** and Rajendra Dobhal (2019). Case Studies on Riverbank Filtration in Uttarakhnad, India, 143-158 In : Guidelines on Bank Filtration for Water Supply in India, (Ed.Rajendra Dobhal, D.P.Uniyal,N.C. Ghosh ,Thomas Grischek and Carnelius Sandhu), Publisher,Bishen Singh and Mahander pal Singh, Dehradun, India.
3. **Uniyal D.P.**, J.S. Aswal, S. Khadija Bari, A.Pokhriyal, Rajendra Dobhal, P.K. Kaushik, V.Sinha, P.Singh and V.Chander (2019). Preliminary Study on Geospatial Techniques to Assess and Enhance Water Quality of Uttarakhnad, India. Environment Conservation Journal, Vol. 20 (1 & 2): 9-13.
4. **Uniyal D.P.**, J.S. Aswal, V.Chander, P.K. Kaushik, S. Khadija Bari, A.Pokhriyal, Rajendra Dobhal (2019). Children's Science Congress a Nobel Initiative for Promoting Science Temper: A Case Study of Uttarakhnad State, Journal of Education and Practice, Vol. 9 (16): 82-86.
5. Pokhriyal, Ankita, **D.P. Uniyal**, Aswal J.S., Prashant Singh and Rajendra Dobhal (2019). Water Quality Assessment of Drinking Water Sources of District Nanital in Uttarakhnad, India. J. Env. Bio-Sci, Vol. 33 (1):67-76.
6. **Uniyal D.P.**, S. Khadija Bari, J.S. Aswal, Rajendra Dobhal, A.Pokhriyal and P.K. Kaushik (2018). River Bank Filtration: An Innovative Solution for Safe Drinking Water. Everyman's Science, Vol. LIII (2): 70-76.
7. **Uniyal D.P.**, Aswal J.S., Vikas Chander, Rajendra Dobhal, N. G. Srivastava and S. Khadija Bari (2018). Drinking Water Quality Assessment in Schools of Garhwal Region Uttarakhand, India. J. Env. Bio-Sci., Vol. 32 (1):153-160.
8. Matta Gagan, Kumar Avinash, **Uniyal D.P.**, Singh Prashant, Kumar Amit, Dhingra Gulshan K, Ajendra Kumar, Naik Pradeep K. and Shrivastva Naresh Gopal (2017). Temporal assessment using WQI of River Henwal, a Tributary of River Ganga in Himalayan Region. Int. J. Env. Rehabilitation and Conservation, 8 (1): 187-204.
9. J S Aswal, Vikas Nautiyal **D P Uniyal** and Rajendra Dobhal (2017). Potential Role of Traditional Crops in Uttarakhand for Nutritional Security. Indian Council for Agricultural Research (ICAR), New Delhi. Indian Farming, 67 (5): 8-13.
10. Gagan Matta and **D.P. Uniyal** (2017). Assessment of species diversity and impact of pollution on limnological conditions of river Ganga, Int. J. Water, 11(2): 87-100.
11. Prashant Singh, S. Pundir, R.S. Aswal, **D.P.Uniyal** and R. Dobhal (2017). Drinking water quality monitoring and surveillance (WQM&S) programme in India, Int. J. Sci., Tech. Manag. 6 (1): 1130-1139.
12. Vikas Chander, J.S. Aswal, Rajendra Dobhal, **D.P. Uniyal** (2017). A review on Pharmacological potential of Berberine; an active component of Himalayan Berberisaristata. The Journal of Phytopharmacology, 6 (1): 53-58.
13. Rawat, M.S., **Uniyal, D.P.**, Dobhal, R., Joshi, Varun, Rawat, B.S., Barthwal, Anil, Singh, D., and Aswal, Ashok. (2015).Study of landslide hazard zonation in Mandakani valley, Rudraprayag district, Uttarakhand using remote sensing & GIS. Current Science, Vol. 109 (1): 158-170.

14. Shweta Tyagi, Singh Prashant, Dobhal Rajendra, **Uniyal D.P.**, Sharma Bhavtosh and Singh Rakesh (2015). Spatial and temporal variations in quality of drinking water sources of Dehradun district in India, *Int. J. Environmental Technology and Management*, Vol. 18, Nos. 5/6, 375-379.
15. Singh, Prashant, Dobhal , Rajendra, Seth, Richa, Aswal , Ravinder Singh, Singh, Rakesh, **Uniyal DP** & Sharma, Bhavtosh (2015). Spatial and Temporal Variations in Surface Water Quality of Pithoragarh District, Uttarakhand (India), *Analytical Chemistry Letters*, 5:5, 267-290
16. Sharma , Bhavtosh , Singh Rakesh, Singh Prashant, **Uniyal DP**, Dobhal Rajendra (2015). Water Resource Management through Isotope Technology in Changing Climate , *American Journal of Water Resources*, 2015, Vol. 3, No. 3, 86-91
17. Aswal, J.S., Negi, D.S., Sha, Bineta and **Uniyal, D.P.** (2015). Production of crop with organic amendments in mountain agro ecosystem in Uttarakhand. *Indian Farming* 65: 13-16.
18. Bharadwaj, K.N. and **D.P. Uniyal**, (2014). Ecosystem service: A treatise on its relevance in the development of Uttarakhand state. In: *Ecosystem service and its mainstreaming in development planning process* (Ed. Manju Sundriyal and V.K.Dhaundiyal), Publisher, Bishen Singh and Mahander pal Singh, Dehradun, pp.35-42
19. **Uniyal, D.P.**, Rawat, M.S., Aswal, J.S. Dobhal, Rajendra, and Srivastav, N.G. (2014). Study of water quality in various schools of Uttarakhand state, India. *Journal of Sustainable Environmental Research*, 3 (2):163-170
20. Sharma Bhavtosh, **Uniyal D.P.**, Dobhal Rajendra, Kimothi P.C and Grischek T. (2014). A sustainable solution for safe drinking water through bank filtration technology in Uttarakhand, India. *Current Science*, Vol. 107(7): 1118-
21. **Uniyal D.P.**, J.S. Aswal and M.S. Rawat (2014). Inclusive societal development through technology intervention in Uttarakhand state, India. *International Journal for Scientific Research & Development*, Vol. 2 (7):109-113.
22. Dobhal Rajendra, **Uniyal D.P.**, Singh Manoj Kumar, Aswal J.S, Bharadwaj K.N. and Kumar Neeraj (2014). Technology empowerment of women and scientific paper writing. *Current Science*, Vol. 107 (7):1097-1098.
23. Tyagi Shweta, Singh Prashant, Sharma Bhavtosh, Singh Rakesh, Dobhal Rajendra and **Uniyal D.P.** (2015). Bacteriological assessment of drinking water sources of Uttarakhand, India. *Natl. Acad. Sci. Lett.* , Vol. 38 (1): 37-44.
24. Nautiyal Prakash, Nautiyal Rachna, Semwal Vijay Prakash, Asheesh Shivam Mishra , Verma Jyoti, **Uniyal Devi Prasad**, Uniyal Manisha & Singh Krishna Raj (2013). Ecosystem health indicators in the Ganga Basin (Uttarakhand, India): Biodiversity, spatial patterns in structure and distribution of benthic diatoms, macro-invertebrates and ichthyofauna, *Aquatic Ecosystem Health & Management*, Vol.16 : (4), 362-37.
25. Rajendra Dobhal, **D. P. Uniyal**, Manoj Kumar Singh and Neeraj Kumar (2013). Bioeconomy and women's welfare. *Current Science*, Vol.105 (10): 1333-1334
26. Tyagi Shweta Dobhal, Rajendra, Kimothi P.C., Adlakha L.K., Singh Prashant and **Uniyal D.P.** (2013). Studies of River Water Quality Using River Bank Filtration in Uttarakhand, India. *Water Qual Expo Health* DOI 10.1007/s12403-013-0097-z

27. Seth R., Singh Prashant, Mohan M., Gupta V.K., Singh R.,. **Uniyal D.P**,Dobhal R.and Gupta, S.. Assessment of water quality of Kosiriver Almora, Uttarakhand, Indiafor drinking and irrigation purposes. *Anal. Chem. Let.*, 3(4): 287 (2013).
28. Gupta Vinod Kumar, Dobhal Rajendra, Nayak Arunima, Agarwal Shilpi, **Uniyal Devi Prasad**,Singh Prashant, Sharma Bhavtosh, Tyagi Shweta& Singh Rakesh (2012): Advanced and Hyphenated Techniques for Nano-Level Analysis of Iron in Water, *Critical Reviews in Analytical Chemistry*, 42:3, 245-256
29. Gupta Vinod Kumar, Nayak, Arunima, AgarwalShilpi, Dobhal Rajendra, **Uniyal Devi Prasad**, Singh Prashant, Sharma Bhavtosh, Tyagi Shweta& Singh Rakesh (2012).Arsenic speciation analysis and remediation techniques in drinking water, *Desalination and Water Treatment*, 40 (1-3): 231-243.
30. GuptaVinod Kumar, DobhalRajendra, NayakArunima, AgarwalShilpi,**Uniyal Devi Prasad**, Singh Prashant, Sharma Bhavtosh, TyagiShwetaand Singh Rakesh (2012).Toxicmetal ions in water and their prevalencein Uttarakhand, India.*Water Science & Technology: Water Supply*,12.6:773-782
31. Dobhal, Rajendra, Jeelani, N., Uniyal, **D. P.**, Khankha, S, Shrivastav, N.G. (2012). Water quality analysis of selected school of Kumaon Region, India. *Environment Conservation Journal*, **13** (1&2): 161-167.
32. Dobhal Rajendra, Singh Prashant, Mittal S.P., **Uniyal D.P**, Sharma. Bhavtosh, Singh Rakesh and Tyagi, Shweta (2012). Development of water quality map of Uttarakhand. *Bhu-Jal News* ,Vol. 27 (14): 36-41(Published by Chairman, Central Ground Water Board, Ministry of Water Resources,Govt. of India, ISSN No.09770-5775).
33. Sundriyal, Manju, **Uniyal, D.P.** and Jeelani, N. (2012). Biodiversity profile of Uttarakhand, pp.152-221. In: *Uttarakhand State of the Environment Report-2012*, Bishen Singh Mahander Pal Publication, Dehradun.
34. Sharma, Bhavtosh and **Uniyal, D.P.** (2012). Water Resources profile of Uttarakhand, pp.1-53. In: *Uttarakhand State of the Environment Report-2012*,BishensinghMahanderpal Publication, Dehradun.
35. Dobhal, Rajendra, **Uniyal, D. P.**, Singh Prashant, Tyagi Shweta and Sharma Bhavtosh. (2011). Pesticides Management in Surface and Ground Waters in India. *International Journal of Science Technology & Management*, Vol. **2** (1): 8-16
36. **D.P. Uniyal**,(2010).Fish fauna of Uttarakhand State, (Pisces) pp.533-621, Fauna of Uttarakhand Series,18 (Part-1): 533-621. (Published by the Director Zoological Survey of India, Kolkata).
37. Sundriyal, M and **Uniyal, D.P.** (2010). Science news coverage and its impact on readers: A study of science popularization through Newspaper in Uttarakhand, pp.231-245. In: *Proceeding 11th International Conference on Public Communication of Science & Technology*, Delhi.
38. **Uniyal, D.P.** (2009).Diversity and Conservation of Fish Resources of Tons Valley, Uttarakhand, Western Himalayas, India, pp.139-150. In: *Science and Technology in Uttarakhand* (Ed. Rajendra, Dobhal, Bhadhur, Kotlia, Arnachalum, Kusum, Uniyal, D.P.andPurohit, B.P.) published by MacMillan publication, Delhi under Advance Research series.
39. **Uniyal, D.P.** (2007). Fish fauna of Corbett Tiger Reserve,(Pisces) pp.41-59. *Faunal Diversity of Corbett Tiger Reserve*. (Published by the Director Zoological Survey of India, Kolkata).

40. **Uniyal, D.P.** and Mehta, H.S. (2006). Fish and Fisheries of Western Doon Shiwalik (Pisces) pp.1-12, *Fauna of Western Doon Shiwalik*, Zoological Survey of India Publication, Kolkata.
41. Mehta, H.S. and **Uniyal, D.P.** (2006). Amphibian fauna of Western Doon Shiwalik pp.1-8. , *Fauna of Western Doon Shiwalik*, Zoological Survey of India Publication, Kolkata.
42. **Uniyal, D.P.**, Bahuguna, S.N., Uniyal, Manisha, Uniyal and Kumar, Arun (2006). Further note on fishing methods and its impact on fish resources of Jaunsar-Bawar tribal area (Chakrata hills, District: Dehradun, Uttaranchal), Western Himalayas, India. *Ann. For.* **14** (2) : 340-349.
43. Mehta, H.S. and **Uniyal, D.P.** (2005). Fish Fauna of Himachal Pradesh (Pisces) Pp-255-268., *Fauna of Western Himalaya (Himachal Pradesh)*, Zoological Survey of India Publication, Kolkata.
44. **Uniyal, D.P.** (2004). A note on behavioral observation of Rhesus monkey (*Macacamulatta*) and Common myna (*Acridotherestrictis*). *The Indian Forester.* **130** (4): 469- 470.
45. Khanna, Vinod, **Uniyal, D.P.** and Padmanabhan, P. (2003). Vulture sighting at Corbett Tiger reserve, Uttaranchal. *The Indian Forester.* **129** (8): 1049-1050.
46. Parthiyal, S.S., Soti, Sanjeev, Bhatia, Dleep, **Uniyal, D.P.**(2002). An integrated watershed development model for ecological fragile mountain ecosystem. *Cheetal.* **41**(1&2): 46-53
47. **Uniyal, D.P.**, S.N.BahugunaandKumar, Arun, Manisha B. Uniyal. (2002). Fishery Potential in Doon Valley, Uttaranchal, India PP. 59-70. In: *National Symposium on Natural Wealth of Uttaranchal*, organize by Lucknow University Alumni Association, Dehra Dun. (Ed. Verma, N.K.), Technology Publication, Dehra Dun.
48. Bahuguna, S.N., **Uniyal, D.P.**, Kumar, Arun and Bahuguna, Manisha. (2001). Fishing methods and related problems in tribal area of Jaunsar-Bawar (Uttaranchal), Western Himalayas, India. *Ann. For.***9** (1): 152-161.
49. Khanna, Vinod, and **Uniyal, D.P.** (2001). Vanishing Vulture population - A threat to scavenging. *Cheetal.***40** (1 & 2): 37-38.
50. **Uniyal, D.P.**, Bahuguna, S.N., Kumar, Arun, Bahuguna, Manisha. (2001).Bleaching powder menace for fish fauna of Amlawa river, Western Doon Valley. *Cheetal.***40** (3 & 4): 67-68.
51. Kumar, Arun, Khanna, Vinod, **Uniyal, D.P.** (2000). A case of strange mortality in fishes in ponds, around Mirzapur dam, Distt. Ropar, Punjab. *Cheetal.***39** (2): 4
52. **Uniyal, D.P.**, Kumar, Arun, Padmanaban, P. and Mitra, Amit. (2000). Tiger and Leopard census at Rajaji National Park. *Ann. For.* **8** (3): 8-16.

Book Published:

1. **Uniyal, D.P.** and Kumar, Arun (2006). Fish diversity in the selected streams of Chakrata and Shiwalik hills, (District: Dehradun), Uttaranchal, India. Pp. 1-120+40 color plates, Published by the Director, Zoological Survey of India, Kolkata (ISBN 81-8171-125-4)

2. Dobhal, Rajendra, Bhadur, Kotlia, Arnachalum, Kusum, **Uniyal, D.P.** and Purohit, B.P. (2008). Science and Technology in Uttarakhand, Selected research articles. pp.1- 272, published by Macmillan publication under Advance Research series.(ISBN 10:0230-63681-0)
3. Dobhal, Rajendra, **Uniyal, D.P.** and Purohit, B.P. (2011). Science and Technology in Uttarakhand, Selected research articles of IIIrd Science Congress. pp.1- 1962, published by Macmillan publication under Advance Research series.(ISBN 978—935-059-103-3)
4. Dobhal, Rajendra, **Uniyal, D.P.** and Purohit, B.P. (2012). Science and Technology in Uttarakhand, Selected research articles of IVth Science Congress. pp.1- 187, published by Macmillan publication under Advance Research series (ISBN 978-935-059-119-2)
5. Dobhal, Rajendra, Grischek, Thomas, Uniyal, H.P., **Uniyal, D.P.** and Sandhu, C. (2011). Drinking Water: Source, Treatment and Distribution, pp.1-135. Published by Bishen Singh Mahander Pal Singh, Dehradun (ISBN-978-81-211-0813-3).
6. Dobhal, Rajendra, **Uniyal, D.P.** and Purohit, B.P. (2014). Science and Technology in Uttarakhand, Selected research articles of IVth&Vth Science Congress. Pp.1-192, publisher Bishen Singh Mahander Pal Singh, Dehradun (ISBN 978-81-211-0887-4).
7. Dobhal, Rajendra, **Uniyal, D.P.**, Ghosh, N.C. , Grischek, Thomas and Sandhu Carnelius (2019). Guidelines on Bank Filtration for Water Supply in India, pp.1-158, Publisher,Bishen Singh and Mahander pal Singh, Dehradun, India (ISBN: 978-81-211-0993-2)

9. Fellowship/Membership/Awards and achievement

Fellowships:

Fellowship of Indian Academy of Environmental Sciences (*F I A E S*) – 2009

Membership of Professional Society:

- (i). Member of The National Academy of Sciences, India (*MNASc*)
- (ii) . Member of Zoological Society of India (*MZSI*)
- (iii). Life member of The Indian Science Congress Association (*ISCA*)
- (iv). Life member of Wildlife Preservation Society of India (*WPSI*)
- (vi). Life member of Indian Academy of Environmental Sciences (*IAES*)

Award / Honors:

- (i) **Young Scientist** Award in State Science & Technology Congress, Uttarakhand -2007 (Zoology).
- (ii) **International Commonwealth Youth Silver Award** – 2008 by Commonwealth Youth Programme Asia Centre for Environmental Conservation

Board Member of Scientific Journals

- i). **Editorial Secretary** of Journal of Environment and Bio-Sciences, Haridwar
- (ii). **Editorial Board Member** of Journal of Sustainable Environmental Research, Haridwar
- (iii). **Executive Secretary** of Hindi quarterly Magazine “Vigyan- Paricharcha” published by Science & Technology of Uttarakhand and Indian Science Writer Association, Uttarakhand Chapter
- (iv). **Editorial member** of Uttarakhand Science and Technology Congress, Abstract cum Souvenir Book.

International and National Seminar/Conference/Training attended:

Presented research papers and Invited talk in International (6 no.) and National (32 no.) Seminars/Conferences/Workshop (some important certificate enclosed)

- (i). Presented research **paper “National-wide awareness creation strategy on bank filtration in India”** at the Indo-German Workshop on Science based master planning for bank filtration in India from 8-10 April, 2014 held at **Dresden , Germany**
- (ii) Delivered invited talk on “Fish Resources of Himalayan Region” at World Fisheries Association session, Terra Madren from 21-25 October, 2010, held at **Turin, Italy**.
- (iii). Presented research paper “**Science Popularization efforts in Uttarakhand**” at 11th International Conference on Public Communication of Science & Technology (11th-PCST-2010) from 6-10 December, 2010, New Delhi, India.
- (iv). Presented research paper “**Science & Technology aspects for the future of drinking water supply in India**” at Indo-German Workshop on Consolidation and Future of River Bank Filtration Project in India on 28th September, 2015 held at NIH, Roorkee, India
- (v). Attended **Training Course on Science Communication through Print Media** Organized by National Institute of Science Communication and Information Resources (NISCAR), Govt. of India, from 13-17 October, 2014 held at New Delhi.
- (vi). Attended **EduSAT National Workshop** organized by A national Institute for Science & Technology Communication , Department of Science & Technology, Govt. of India, from 29-31st October, 2013 held at Goa, India.

Popular Articles (In Hindi):

1. **Uniyal, D.P.** (2007). Uttarakhand se ViluptHotiMahseerMachali. VigyanViloki, **2** (2-3): 14-15.
2. Dobhal, Rajendra and **Uniyal, D.P.** (2007). Prathivi Ghra Abhavan : Ku au rKasa. Vigyan Viloki, **2** (4): 3-5.
3. Dobhal, Rajendra and **Uniyal, D.P.** (2008).Uttarakhand Rajay Vigyan kva Praduhaik Parishad Ke Karkrmo Ki Ghalak, VigyanVarata , Vol. 1 (2):8-11.
4. Dobhal, Rajendraand **Uniyal, D.P.** (2013). Uttarakhand RajayVigyankvaPraduhaikParishad: JalSambandhi Shod Parujna, JalChetna, Vol. 2 (1):44-49

Popular Articles Published (In English):

1. Dobhal, Rajendraand **Uniyal, D.P.** (2008). Activity profile of Uttarakhand state Council for science and Technology (2007-2008). *Oaks* , **4**: 39-46
2. Dobhal, Rajendraand **Uniyal, D.P.** (2009). Activity profile of Uttarakhand state Council for science and Technology. *Oaks* , **5**: 35-38 (ISSN:0975-5918)
3. Dobhal, Rajendraand **Uniyal, D.P.** (2010). Activity profile of Uttarakhand state Council for science and Technology (2009-2010). *Oaks* , **6**: 71-76(ISSN:0975-5918)
4. Dobhal, Rajendraand **Uniyal, D.P.** (2011). Council's initiatives of Science &Technologypromotion in the State. *Oaks* , **7**: 99-106(ISSN:0975-5918)
5. Dobhal, Rajendraand **Uniyal, D.P.** (2012). Council's initiatives of Science & Technology promotion in Uttarakhand. *Oaks* , **8**: 172-178 (ISSN:0975-5918)
6. Dobhal, Rajendraand **Uniyal, D.P.** (2013). An overview Council's initiative of Science & Technology promotion in Uttarakhand. *Oaks* , **9**: 36-39 (ISSN:0975-5918)

Sports/Scouting/NCC

1. Stood 2ndin 50 meter race (K.V., R.K. Puram, Sector-II, Delhi)
2. N.C.C. "B" Certificate (D.A.V. College, Dehradun)
3. Scout Master Certificate (Dehradun)

(Dr. D.P.Uniyal)