

Cover Letter

Doctorate (Ph.D) in Zoology (*specialization in Limnology*) with **20 Full length Research Publications** (*Published- 15, Accepted- 02, Communicated- 02, Book Chapter- 01*) in various National and International Journals with 08 Years of Teaching and Research Experience with Operations & Administration Management.

I am an active member of National Seminars Organizing Committee in UCBMSH and guided more than 12 students for their Master degree dissertations. I had an experience of being a Project fellow in UGC Major Project entitled “*Fisheries of River Bhagirathi with reference to various Dam construction and Habitat Alteration*”.

Area of research interest- **Fresh Water Ecology, Water Quality and Phytoplankton & Benthic Ecology.**

CURRICULUM VITAE

Dr. Dhyal Singh

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Near Velmed Hospital
Sarswati Vihar, Flat No 1 (Ground Floor)
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Uttarakhand



Objective:

To work in a challenging environment that will provide opportunities for learning and growth to achieve the objectives.

Summary:-

Doctorate in Zoology (Limnology) with 20 Full length Research Publications (*Published- 15, Accepted- 02, Communicated- 02, Book Chapter- 01.*)

8 Years Experience with cross functional Expertise & has Demonstrated Expertise in:-

Strategy Design Execution.

Excellent Proven Academic Records.

Operations & Administration Management.

Admissions and Marketing.

Work Experience:

Sl. No.	Name of the Employer/ Organization	Post held	From	To	Nature of duties/ experience
1.	Uttaranchal (PG) College of Bio-Medical Sciences & Hospital, Dehradun	Assistant Professor/Dean Student Welfare	28 May 2018	Till Date	Teaching, extracurricular and Research activities
2.	Uttaranchal (PG) College of Bio-Medical Sciences & Hospital, Dehradun	Assistant Professor/Dean Student Welfare	25 February- 2013	15 July 2017	Teaching, extracurricular and Research activities
3.	UGC sponsored project in the Department of Zoology, Govt. Post Graduate College, Uttarkashi	Project Fellow	April 2009	February 2012	Research activities

- Taught B.Sc. and M.Sc classes in Zoology department, Govt. P.G. College Uttarkashi, during the research period (October 2007-September 2012).

Details of Professional Academic Qualification:

- **B.Ed** from Kashmir University with 82.9% in 2015.
- **D. Phil in Zoology** from Hemwati Nandan Bahuguna Garhwal University (A Central University) Srinagar, Garhwal (Uttarakhand) in 2014.
(**Study of Phytoplankton Community Structure and Primary Production in Lake Nachiketa Tal of Garhwal-Himalaya**)
- **M. Sc. in Zoology** from Hemwati Nandan Bahuguna Garhwal University with 67.33% in 2007.
(**Status and Seed Production from the Hatcheries of Uttarakhand**).
- **B.Sc. (ZBC)** from University of Jammu with 63.58 % in 2005.

Research Experience: 8 Years

Seminar Organised:

1. Work as a **CO-ORDINATOR** in organising the **National Seminar** on “*Current Challenges of Biodiversity*” 28th February, 2014. Organized by **Uttaranchal (P.G.) College of Technology & Biomedical Sciences (UCTBMS)**, Dehradun, Uttarakhand.
2. Work as a **CO-ORGANIZING SECRETARY** in organising the **National Seminar** on “*Green Revolution For Sustainable Development*” 20th February, 2015. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H)**, Dehradun, Uttarakhand.
3. Work as an **ORGANIZER** in Life Science Workshop on “*Bio Diversity Conservation and Advance Technology*” 17th October, 2015. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H)**, Dehradun, Uttarakhand.
4. Work as a **CO-ORDINATOR** in organising the **National Seminar** on “*Biological Resources-Issues & Solutions*” 28th February, 2017. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H)**, under the aegis of UCOST, Dehradun, Uttarakhand.
5. Work as a **CORE MEMBER** in organising the **National Conference** on “*Role of Agricultural Diversification in Indian Economy*” 29th & 30th March, 2019. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H)**, Sponsored by Horticulture Mission, Dehradun, Uttarakhand.
6. Work as **ORGANIZER** in WEBINAR on “*Biodiversity and Conservation*” 22nd May, 2020. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMSH)**, Dehradun, in Collaboration with ENVIS, HUB and Uttarakhand Pollution Control Board.
7. Work as **ORGANIZER** in WEBINAR on “*Nature and Environment*” 5th June, 2020. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMSH)**, Dehradun, in Collaboration with ENVIS, HUB and Uttarakhand Pollution Control Board.

No of students guided for Master’s degree dissertation - Twelve (12) *List Attached*

Training Programme Attended

- a) Fish Training Programme.** 3-5 November, 2008. Organized by Uttaranchal Government and Government P.G. College Pithoragarh in Gangori Hatchery, Uttarkashi.
- b) Tissue culture of Bamboo & Medicinal Plants.** 5-6 December, 2016. Organized by UCBMS&H at Tissue culture Laboratory, Dehradun, Uttarakhand.
- c) Faculty Development Programme** in Entrepreneurship sponsored by NSTEDB, Department of Science & Technology (DST) from 19 November'18 – 05 December'18 in Dehradun district of Uttarakhand.
- d) International Faculty Development Programme on “Recent Trends in Science and Technology”** organized by the Academic Staff College in Collaboration with School of Applied Sciences and Department of International Relation, Suresh Gyan Vihar University Jaipur, Rajasthan, India from June 15 to June 20, 2020.

Reviewer

- a) Reviewer for *Turkish Journal of Aquatic Sciences*.

Master Trainer

- a) In Certified Course in **Pollution Monitoring: Air and water** under the **Green Skill Development Programme** of the Ministry of Environment, Forest Climate, Government of India, New Delhi at ENVIS Hub, UEPPCB, Dehradun (2018)

Seminar/Conferences/ Workshops attended

- a) Participated in “**National Seminar on Management Strategies for the Indian Himalaya: Development and Conservation, 29-31, Oct. 2007**”. Organized by Department of Geography, H.N.B. Garhwal University, Srinagar Garhwal (Uttarakhand).
- b) Participated in “**National Workshop on Development of Reservoir Fisheries and Conservation of Aquatic Biodiversity with particular reference to Tehri Dam Project (Uttarakhand), 1-2, December, 2007**”. Organized by Department of Zoology, Govt. P.G. College, New Tehri, Tehri Garhwal.
- c) Participated in “**International Tropical Ecology Congress 2-5 December, 2007. Dehradun, Uttarakhand, India**”. Organized by H.N.B. Garhwal University, Srinagar (Garhwal), India and International society for tropical Ecology.
- d) Participated in poster presentation in “**UGC-SAP Sponsored National seminar On Status of Biodiversity among the Mountainous States of India. 15-16 March, 2008**”. Organized by Department of Zoology and Environmental sciences, Gurukula Kangari Vishwavidalaya, Haridwar.
- e) Participated in “**Intellectual Property and Innovation Management in Knowledge Era. 31st July, 2009 Uttarkashi, Uttarakhand**”. Organized by the National Research Development Corporation in Collaboration with Uttarakhand State Council for Science and Technology (UCOST).

f) Presented a poster in **“National Conference on Advances in Biotechnology and its role in Aquatic Biodiversity Conservation and Fisheries. 17-18 March, 2010”**. Organized jointly by **Department of Zoology, RCU Government P.G. College, Uttarkashi** and **Department of Biotechnology, Graphic Era University, Dehradun** (*second prize*).

g) Oral presentation in **“National Conference on Conservation of Aquatic Biodiversity, Development of Cold Water Fisheries, Fish Biotechnology and Emerging Trends in Fresh Water Environment 25-27 November, 2010”**. Organized by **Department of Zoology, Govt. P.G. College, New Tehri, Tehri Garhwal**.

h) Oral presentation in National Seminar on **“Current Challenges of Biodiversity”** 28th February, 2014. Organized by **Uttaranchal (P.G.) College of Technology & Biomedical Sciences (UCTBMS), Dehradun, Uttarakhand**.

i) Participated in National Seminar sponsored by Uttarakhand Antriksh Upyog Kendra and Uttarakhand State Council for Science and Technology on **“Environment Movement in Uttarakhand and its relevance in present scenario”** 29 March, 2014 organized by SDM Govt. (PG) College, Doiwala, Dehradun (Uttarakhand).

j) Participated in Workshop on **“Advances in Biotechnology and its Applications in Conservation Biology”** 16th & 17th October, 2014. Organized by **Dolphin (P.G.) Institute of Bio Medical and Natural Sciences, Dehradun** in collaboration with **Wildlife Institution of India and Zoological Survey of India, Dehradun Uttarakhand**.

k) Participated in National Seminar on **“Green Revolution For Sustainable Development”** 20th February, 2015. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H), Dehradun, Uttarakhand**.

l) Participated in NAAC Sponsored National Seminar on **“Role of IQAC in Enhancing Quality of Teaching, Learning and Evaluation Process”** 9th – 10th October, 2015. Organized by IQAC, SGGR (P.G.) College, Dehradun (Uttarakhand) sponsored by NAAC, Bangalore.

m) Participated in Workshop on **“Bio Diversity Conservation and Advance Technology”** 17th October, 2015. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H), Dehradun, Uttarakhand**.

n) Participated in **International Conference on “Advance in Science, Engineering and Technology-2016 (ICASET-2016)”** 29th and 30th January, 2016. Organized by Gurukul Kangri Vishwavidyalaya, Haridwar and in association with International Journal of Advance Research and Innovation (IJARI), Haridwar, Uttarakhand.

o) Participated in National conference on **“Natural Resources Management, Avenues and Application- NARMAA-2016”** 18-19 March, 2016. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H), Dehradun, Uttarakhand**. Sponsored by UCOST-Govt. of Uttarakhand.

p) Participated in National Conference on **“Biological Resources- Issues & Technology”** 28th February, 2017. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMS&H), Dehradun, Uttarakhand**. Under the aegis of UCOST-Govt. of Uttarakhand.

q) Participated in National Conference on **“Perspective in Natural and applied Sciences (PNAS-2018)”** 9th – 10th March, 2018. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences**

& Hospital (UCBMS&H), Dehradun, Uttarakhand, sponsored by UCOST-Govt. of Uttarakhand and Uttarakhand Council for Biotechnology.

r) Participated in WEBINAR on “**Biodiversity and Conservation**” 22nd May, 2020. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMSH)**, Dehradun, in Collaboration with ENVIS, HUB and Uttarakhand Pollution Control Board.

s) Participated in WEBINAR on “**Nature and Environment**” 5th June, 2020. Organized by **Uttaranchal (P.G.) College of Biomedical Sciences & Hospital (UCBMSH)**, Dehradun, in Collaboration with ENVIS, HUB and Uttarakhand Pollution Control Board.

Research Publication (*Published- 15, Accepted- 02, Communicated- 02, Book Chapter- 01*)

2022

- i. Shefalee Singh, **Dhyal Singh**, Ashu Chaudhary and Sneha Singh (2022). Comparative analysis of Biotic Indices of Benthic Macro-Invertebrate to examine the water quality of river Tons, Dehradun (U.K.), India. (*Communicated in Sustainable Water Resources Management*) **Source- SCOPUS; UGC Care List.**
- ii. Ashu Chaudhary, Dhyal Singh, Shefalee Singh, Sneha Singh and Deepali Rana (2022). Assessment of the Ichthyofaunal Diversity in Relation to Physico-chemical attributes of River Asan, Dehradun, Uttarakhand, India. (*Communicated in Indian Journal of Fisheries*) **Source- SCIE; UGC Care List.**
- iii. **Dhyal Singh, N.** Kebosenti Chang and Ashu Chaudhary (2022). Water quality in relation to Phytoplankton diversity of Gautam Kund, Dehradun (Uttarakhand), India *Ecology Environment and Conservation* (*Accepted*). 26: S55-S60. (**NAAS rating: 4.89; Source- WOS**) ISSN: 0971-765X.

2020

- iv. M.S. Rawat, **Dhyal Singh** and O.P. Gusain (2020). Status of fish fauna of river Bhagirathi upstream to Tehri Dam Reservoir, Uttarakhand (India). *Ecology Environment and Conservation*. 26: S55-S60. (**NAAS rating: 4.89 ; Source- SCOPUS**) ISSN: 0971-765X.
[http://www.envirobiotechjournals.com/article_abstract.php?aid=10894&iid=320&jid=3#:~:text=The%20fish%20fauna%20of%20river,\(Salmo%20trutta%20fario%20L.](http://www.envirobiotechjournals.com/article_abstract.php?aid=10894&iid=320&jid=3#:~:text=The%20fish%20fauna%20of%20river,(Salmo%20trutta%20fario%20L.)

2018

- v. Sawan Gupta, **Dhyal Singh**, M.S. Rawat and Rayees Ahmed (2018). Phytoplankton community in relation to physicochemical characteristics of Renuka Lake and Parshuram Tal (H.P.), India. *International Journal of Scientific Research and Reviews*. 7(3), 769-780. ISSN:2279-0543
<http://www.ijssr.org/voi7,issue3july-september2018.php>
- vi. **Dhyal Singh**, James Y Tongue, Jitendra Singh Rana (2018). Impact of prevailing factors on distribution pattern and status of freshwater fish fauna of River Song in Lower Himalaya (*Accepted- Iranian Journal of Fisheries Sciences*). **Impact Factor- 0.446, Source- SCIE; SCOPUS**

2017

- vii. M.S. Rawat, Babita Bantwan and **Dhyal Singh** (2017). Study on the Fecundity of Brown trout (*Salmo trutta fario* L.) in River Asiganga, Uttarkashi (Uttarakhand), India. *International Journal of Fisheries and Aquatic Studies*. 5(1): 167-172. (NAAS rating: 3.99, ICV-Poland Impact Factor: 5.62, GIF: 0.549) Online ISSN: 2347-5129.
<https://www.fisheriesjournal.com/archives/2017/vol5issue1/PartC/4-6-69-973.pdf>
- viii. M Amin Mir, Bilal Ahmad Mir, **Dhyal Singh** and Zainab Rao (2017). Studies on the anti-inflammatory properties of various extracts of *Hippophae rhamnoides*. *Journal of Pharmacology & Clinical Research*. 2(2): 001-007. ISSN: 2473-5574.
<https://juniperpublishers.com/jpcr/pdf/JPCR.MS.ID.555584.pdf>
- ix. Mohd Amin Mir, Bilal Ahmad Mir, Anil Bisht, Zainab Rao and **Dhyal Singh** (2017). *Bombax ceiba* Flowers as a Source of Antidiabetic Medicine and Vital Mineral Source. *Global Journal of Addiction & Rehabilitation Medicine*. 1(3): 001-003.
<https://juniperpublishers.com/gjarm/pdf/GJARM.MS.ID.555562.pdf>
- x. Ahmad Mir B, Amin Mir M, **Singh D** and Rao Z (2017). Evaluation of Antimicrobial Activity of Various Chemicals on Isolated Chicken and Mutton Spoilage Microorganisms. *J Bacteriol Mycol*. 4(3). 1051. ISSN: 2471-0172.
<https://austinpublishinggroup.com/bacteriology/fulltext/bacteriology-v4-id1051.php>
- xi. **Dhyal Singh**, M.S. Rawat, Babita Bantwan and O.P. Gusain (2017). Water quality status of high altitude lake Nachiketa Tal, Garhwal Himalaya, Uttarakhand, India. *Journal of Global Biosciences*. 6(5). 5012-5021. ISSN 2320-1355. <https://www.mutagens.co.in/jgb/vol.06/5/060505.pdf>
- xii. Anil Bisht, **Dhyal Singh**, Deepali Rana and Sotsula (2017). Macro-benthic community diversity in relation to water quality status of Song River, Dehradun, Uttarakhand, India. *Life Sci J*: 14(6): 34-41. ISSN: 1097-8135 (Print) / ISSN: 2372-613X (Online).
http://www.lifesciencesite.com/ljsj/life140617/06_32362ljsj140617_34_41.pdf
- xiii. **Dhyal Singh**, Jitendra Singh Rana and Seyiekuolie (2017). Water quality and assemblages of phytoplankton communities of River Song in the Lower Himalaya. *International Journal of Water Research*. 7(2): 39-47. ISSN 2348 – 2710.
https://www.researchgate.net/publication/320961123_Water_quality_and_assemblages_of_phytoplankton_communities_of_River_Song_in_the_Lower_Himalaya

2016

- xiv. **Dhyal Singh**, Rayees Ahmed, Sawan Gupta, Madhu Bartwal, Mamta Joshi and M.S. Bhandari (2016). Physicochemical Profile and Benthos of River Giri Up and Downstream Giri Barrage in Renuka, Sirmour (Himachal Pradesh). *International Journal of Scientific Research*. 5(3): 57-61. ISSN NO 2277 – 8179. <https://www.worldwidejournals.com/international-journal-of-scientific-research-IJSR/article/physicochemical-profile-and-benthos-of-river-giri-up-and-downstream-giri-barrage-in-renuka-sirmour-himachal-pradesh/NzQ4NQ==/?is=1>
- xv. **Dhyal Singh**, M.S. Rawat and O.P.Gusain (2016). Primary Productivity in Nachiketa Tal, a high altitude lake of Garhwal Himalayas (India). *European Academic Research*. IV (8): 6462-6478. ISSN 2286-4822. <https://euacademic.org/UploadArticle/2840.pdf>

2014

- xvi. M.S. Rawat, Babita Bantwan, **Dhyal Singh** and O.P. Gusain (2014). Length-weight relationship and condition factor of brown trout (*Salmo trutta fario* L.) from river Asiganga, Uttarkashi, Uttarakhand (India). *Environment Conservation Journal*. 15(3): 41-46. (NAAS rating: 3.71) ISSN: 0972-3099. <https://journal.enviroecj.in/index.php/ecj/article/view/525>
- xvii. Madhu Bartwal, **Dhyal Singh** and Maneesh Singh Bhandari (2013). Assessment of ecology of aqua-biodiversity and economical Development through aquatic tourism in Uttarkashi, Uttarakhand, India. *Oct. Jour. Env. Res.* 1(4): 310-318. ISSN 2321 – 3655. <https://www.ipindexing.com/journal-article-file/12297/Assessmentofecologyofaqua-biodiversityandeconomicaldevelopmentthroughaquatictourisminuttarkashiuttarakhandindia>

2012

- xviii. M.S. Rawat, **Dhyal Singh**, B. Bantwan, M.P. Gusain and O.P. Gusain (2012). Diurnal variation in physicochemical characteristics and phytoplankton population density of high altitude lake Dodi Tal, Uttarakhand. *Ecology Environment and Conservation*. 18 (2): 273-278. (NAAS rating: 4.89; Source- SCOPUS; UGC Care List) ISSN: 0971-765X. http://www.envirobiotechjournals.com/article_abstract.php?aid=1156&iid=45&jid=3

2011

- xix. M.S. Rawat, Babita Bantwan, **Dhyal Singh** and O.P. Gusain (2011). Status of brown trout (*Salmo trutta fario* L.) in Garhwal Himalaya with a note on its morphometric characteristics. *Environment Conservation Journal*. 12(3): 47-52. (NAAS rating: 3.71) ISSN: 0972-3099. <https://www.cabi.org/isc/FullTextPDF/2012/20123083001.pdf>

2007

- xx. M.S. Rawat, Babita Bantwan and **Dhyal Singh** (2007). Ecology and Environmental degradation of Garhwal Himalayan lakes. In: Negi, C.S. (ed.). *Opportunities and Scope for Research in Government Colleges*. 134-139.

Chapter in Book:

- i. O.P. Gusain, **Dhyal Singh**, M.S. Rawat and Manju P. Gusain (2011). *High Altitude Lakes of Garhwal Himalaya: Lesser Known Ecosystems*. In J.P Bhatt, Madhu Thapliyal and Ashish Thapliyal (Eds.), *Himalayan aquatic Biodiversity conservation & New tools in Biotechnology*. 183 – 194. TransMedia Publication, Media House, Srinagar (Garhwal) Uttarakhand. ISBN-978-81-904778-3-6.

Field of specialization

- Limnology and Fishery.

Computer skills:

MS Office (MS Word, MS Excel and Power point).

Additional Qualification:

- Six Months diploma in Computer applications from INFO International in 2008.

References

S. No	Name	Nature of Acquaintance	Position	Address	Contact Number	E Mail Id
1	Professor MS Rawat	Ph.D Supervisor	Professor	Sri Dev Suman University	9412916792	drmsrawat2@yahoo.co.in
2	Professor OP Gusain	Ph.D Co-Supervisor	Professor	HNB Garhwal (Central) University	9412960926	opgusain1964@gmail.com
3	Dr. Pallavi Chauhan	Dean Academics (Colleague)	Dean Academics	Uttaranchal College of Bio-Medical Sciences and Hospital, Dehradun	9319463303	deanacademics@ucbmsh.org

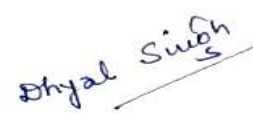
Personal Profile

Father's Name Shri Nar Singh
Permanent Address C/o Nar Singh
House No. 311, Barrian, Ward No. 5
Near State Bank of India
Udhampur – 182 101
Jammu and Kashmir
Mobile Numbers +91-8082169785
Date of Birth 02, March, 1985
Sex Male
Category General
Nationality Indian
Language known Hindi and English
Marital Status Single
E-mail address dhyalsingh85@gmail.com

DECLARATION

I Dr. **Dhyal Singh** hereby declare that the above statements are true and complete to the best of my knowledge and belief. If in future any information furnished by me is found to be wrong then please cancel my candidature.

Date: 24/01/2022
Place: Dehradun


(Dr. Dhyal Singh)

S. No	Topic	Name	Year	Publication
1	To Study The Physico Chemical Parameters And Benthos Of River Giri Below And Above The Giri Barrage In Renuka Region, Sirmour (Himachal Pradesh)	Mr. Rayees Ahmed	2015	Yes
2	To Study The Phytoplankton Community Structure And Physico-Chemical Parameters Of Renuka Lake And Parshuram Tal Of Sirmour District, Himachal Pradesh	Mr. Sawan Gupta	2015	Yes
3	To Study The Physicochemical Profile And Fish Diversity Of River Song Of District Dehradun, Uttarakhand	Mr. James Y Tanguie	2016	Accepted
4	To Study The Phytoplankton Diversity And Water Quality Of River Song Of District Dehradun, Uttarakhand	Mr. Seyiekuolie	2016	Yes
5	Evaluation Of Organic Pollution By Palmer's Algal Genus Index And Physicochemical Analysis Of River Asan, Dehradun	Ms. Alka	2017	No
6	To Study The Macro-Benthic Diversity And Water Quality Of Asan River, Dehradun, Uttarakhand	Ms. Neha Sharma	2017	No
7	To Study The Diversity Of Macrophytes And Aquatic Water Birds Of River Asan, Dehradun	Mr. Zahoor Paul (Co-Supervisor)	2017	No
8	To Study The Phytoplankton Diversity And Physico-Chemical Parameters Of River Tons Of District Dehradun, Uttarakhand	Ms. Sneha Singh	2018	No
9	To Study The Benthic Macroinvertebrate Diversity And Physico-Chemical Parameters Of River Tons Of District Dehradun, Uttarakhand	Ms Shefalee Singh	2018	Communicated
10	To Study The Fish Diversity And Physico-Chemical Parameters Of River Asan Of District Dehradun, Uttarakhand	Ms. Ashu Chaudhary	2018	Communicated
11	To Study The Phytoplankton Diversity And Physico-Chemical Parameters Of Gautam Kund, Dehradun (Uttarakhand)	N. Kebosenti Chang	2019	Accepted
12	To Study The Gut Content Of <i>Barilius Bendelisis</i> From River Song, Dehradun (Uttarakhand)	Anju Devi	2019	No