

CURRICULUM VITAE

Name: DR. KOSHAL KUMAR

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Good afternoon, my full name is Dr. Koshal Kumar I am working as an assistant professor (Guest faculty) in the Department of Zoology, H.N.B Garhwal University (A Central University) BGR Campus Pauri, (Garhwal). I am from Jammu and Kashmir. I am a self-determinant guy. I have done my Graduation from Jammu University in Science stream and completed my Master in Zoology, from H.N.B Garhwal University (A Central University) Srinagar (Garhwal) Uttarakhand, India and Join my Ph.D. in same University. I have successfully completed my Ph.D. thesis work on "Biology of freshwater prawn From Uttarakhand." I have actively engaged in the arena of research from last almost nine Years in the field of Crustacean fishery, Bionomics of freshwater prawns, Benthic fauna and Ecology including Hydro-ecology of various riverine systems of Garhwal Himalayas and participated in various Courses/ Seminars/ Conferences/Training. You can content me on my phone number 9682359704 and email me on koshalbagelu@gmail.com and you can also visit to https://www.researchgate.net/profile/Dr_Koshal_Kumar <https://scholar.google.co.in/citations?user=66T95T4AAAAJ&hl=en>

OBJECTIVE

To pursue a challenging career in the field of research and to be a part of a progressive organization that gives scope to enhance my knowledge & skills.

RESEARCH AREA OF MY INTEREST

- Crustacean (Prawn fishery), aquatic biodiversity and hydro-ecology

ACADEMIC PROFILE

Course Name	Subjects	Board/University	Passing Year	Division/ Grade
Diploma	Post Graduate Diploma in Higher Education (PGDHE)	IGNOU	Pursuing	
Ph. D.	Zoology	H.N.B Garhwal University	2017	
Pre-Ph.D.	Zoology	H.N.B Garhwal University	2013	1 st Div.
Diploma	Nursery Technology & Orchids Management	H.N.B Garhwal University	2009	1 st Div.
M.Sc.	Zoology	H.N.B Garhwal University	2008	1 st Div.
B.Sc.	Eng., Zoology, Botany, Sericulture	University of Jammu	2006	1 st Div.
Intermediate	Medical Group	JK BOSE	2003	2 nd Div.
High School	Eng., Urdu, Science, Maths, Social Science	JK BOSE	2000	1 st Grade

Title of the Ph.D. Thesis: “BIOLOGY OF FRESHWATER PRAWN *MACROBRACHIUM* SPECIES (BATE 1868) FROM RAWASAN STREAM OF GARHWAL HIMALAYA, UTTARAKHAND”

PROFESSIONAL QUALIFICATION

1. Post Graduate Diploma In Higher Education (PGDHE) from IGNOU 2017
2. One year Diploma in **Nursery Technology And Orchid Management** from H.N.B Garhwal University Garhwal Srinagar, UK 2009
3. Short term course in computer from **NET WORKING RESEARCH CENTER (UGC)** Govt. P.G College Lansdown, Uttarakhand 2008

SUBJECTS TAUGHT

- Environmental Biology, Fish Biology, Research Methodology, Molecular biology

TEACHING EXPERIENCE

As Assistant professor (Guest faculty)

In Department of Zoology, BGR Campus Pauri (Garhwal), HNB Garhwal University

1 Academic year

- | | |
|-------------------------|---------------------------------|
| 1. Session (2017-2018) | 21 August, 2017 to 14 June 2018 |
| 2. Session (2018- 2019) | 16 August, 2018 to till date |

TEACHING EXPERIENCE AS RESEARCH SCHOLAR

(A) In the Department of Zoology, BGR Campus Pauri (Garhwal), HNB Garhwal University (4 Academic years)

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|----------------------|------------------------------|
| 1. 2013-2014 Session | (August, 2013 to July, 2014) |
| 2. 2014-2015 Session | (August, 2014 to July, 2015) |
| 3. 2015-2016 Session | (August, 2015 to July, 2016) |
| 4. 2016-2017 Session | (August, 2016 to July, 2017) |

(b) In the Department of Environmental Science, BGR Campus Pauri (Garhwal), HNB Garhwal University (1 Academic year)

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|----------------------|---|
| 1. 2016-2017 Session | (August, 2016 to December, 2016) B.Com |
| 2. 2016-2017 Session | (February, 2017 to June, 2017) B.Sc. (ZBC Group) |

RESEARCH EXPERIENCE

Actively engaged in Research from last **almost nine Years** in the field of Crustacean fishery, Bionomics of freshwater prawns, Benthic fauna and Ecology including Hydro-ecology of various riverine systems of Garhwal Himalayas and participated in various Course/ Seminar/ Conferences/ Trainings.

INVITED TALKS/LECTURES

1. Lecture on **"Role of biotechnology in Wildlife Conservation"** in the Department of Zoology, BGR Campus Pauri (Garhwal) HNBGU, on the occasion of Wild Life Week 1-7 October 2018.
2. Guest Lecture on **"Emerging Technologies to Conserve Biodiversity"** in DNA Labs - A Centre for Applied Sciences , (DLCAS) Dehradun, Uttarakhand, India (An ISO9001-2015 Certified organisation) On 4 June 2019

TRAINING/COURSES/PROGRAMS/WORKSHOPS ATTENDED

1. Capacity Building Program by Agriculture Education Division-ICAR Short Course on **"Broodstock Improvement and Quality Fish Seed Production through Genetic Tools"** at ICAR- CIFA, Kausalyaganga, Bhubaneswar –751002 10 Days (15- 24 March, 2018)
2. Training Course in **"Molecular Biology and Molecular Diagnostic (Basic and Applied Aspects)"** 30 days in Central Molecular Research Laboratory, Biochemistry Department of SGRR Dehradun. 1–30 June 2015.
3. National workshop on **"Taxonomic Keys and Identification Tools of Different Groups of Flora and Fauna Including The Molecular Tools"** 6 days in Gurukula Kangari University, Haridwar, at Department of Zoology and Environmental Science Sponsored by UCOST, 3–8 March 2014.
4. Short term Training On **"Advance Techniques in Biotechnology"**, 13 days in IBT Patwadangar, Nanital, 14–26 November 2011.
5. Hand on Training Programs in the Area of **"Modern Biotechnology"**, 7 day in IIT Roorke, Department of Biotechnology, 1–7 January 2011.

HONORS/AWARDS/FELLOWSHIPS/MEMBERSHIP

1. Life time member of "Environment and Social Development Association (ESDA), 2019
2. Life time member of "Society for Himalayan Action Research and Development" SHARAD, Pauri Garhwal Uttarakhand 2017
3. Life time membership of ISCA Haridwar Chapter 2016
4. **National Fellowship for Higher Education (NFHE)** 2016
5. **Young Scientist Award** in 5th UCOST Congress-2010

HANDLING/COORDINATION ACTIVITIES

1. Member of International Journal of Research and Analytical Reviews (IJRAR) RMS (Reviewer/Referral)
2. Editorial Secretary of Journal of Mountain Research ISSN: 0974-3030
3. Editorial Assistant of Himalayan Journal of Social Sciences and Humanities ISSN: 0975-9891

RESEARCH PAPERS PRESENTED IN CONFERENCE/SEMINARS/WORKSHOPS ATTENDED

1. One day work shop on “**Intectual property rights (IPR)**” at Campus Hall, BGR Campus Pauri Jointly Organized by USCOST, Dehradun and Department of Chemistry, HNB Garhwal University, BGR Campus Pauri (Garhwal) on 26 March 2019
2. Aquatic Biodiversity Study in Rawasan stream: An Important tributary of River Ganga in Garhwal, Central Himalaya, India. **International Conference On Global Environmental Challenges Human Health and Sustainable Development with Global Environmental Exhibition, 11 – 13 January 2019** at The Convention Centre, Jawaharlal Nehru University, Delhi (India)
3. One day work shop on **Laboratory Bio-safety protocol** at Department of Zoology& biotechnology HNB Garhwal University, Srinagar (Garhwal) on 24 April 2018
4. Benthic Fauna Study of Rawasan Stream in Central Himalaya, Uttarakhand India. **12th USSTC Dehradun** 7-9 March 2018.
5. Biology of freshwater prawn form Rawasan stream of Uttarakhand. **International Seminar on Environmental Degradation-Cause and Consequences** on 25 Feb 2018 at KGK College Moradabad.
6. Reproductive biology of freshwater prawn *Macrobrachium assamense peninsulare* (Decapods: Palaemonidae) in the Rawasan stream, Central Himalaya, Uttarakhand, India **International Conference In Zoological Sciences**, Punjabi University, Patiala from 26 to 28 October 2017.
7. "Ganag Sanraksan and Swachta ke Jan Jagruktaa" at Manmanthan Auditorium, H N B Garhwal University Srinagar (Garhwal) on 13 September 2017.
8. Taxonomical Status Of Minor Fresh Water Prawn Form Rawasan Stream Of Garhwal Himalaya, Uttarakhand, India **11th USSTC Dehradun** 2–4 March 2017.
9. Ecological Studies On Benthic Community of Rawasan Stream In Uttarakhand, India **National Conference On Environmental Protection And Sustainability (NCEPS)** Chennai 31 December to 01 January, 2017
10. General biology of minor freshwater prawn *Macrobrachium assamense peninsular* from Rawasan stream of Garhwal Himalaya Uttarakhand, India. **National Conference ISCA Haridwar Chapter** 20–22 Nov 2016.
11. How To Choose A Carrier. **One Day Workshop On Carrier Guidance** at Auditorium Kotdwara, Jointly organised by: H.N.B Garhwal University (A central university) Pauri Campus and NSS cell secondary Education Garhwal Mandal Pauri on 14 November 2016
12. Food and Feeding Habits of *Macrobrachium assamense peninsulare* (Decapoda, Palaemonidae) From Rawasan Stream, Uttarakhand. **10th USSTC Dehradun** 10–12 Feb 2016.
13. Population structure of *Macrobrachium assamense peninsulare* (Tiwari, 1958) from Garhwal Region of Uttarakhand, India. **Regional Seminar On Man And Nature, SHARAD**, Department of Zoology, H.N.B Garhwal University Campus Pauri-Garhwal Uttarakhand 28 November 2015.
14. Physico-chemical parameters of freshwater in Khoh tributary of river Ganga in Pauri district of Uttarakhand. **National Conference On Sustainable Development and Management in Natural Resource**, Govt P.G. College Rishikesh Uttarakhand March 2013.
15. Seasonal variation of freshwater prawns from two tributaries of Garhwal Himalayas, **5th State Science Congress, 2010**, Doon University, Dehradun.

PUBLICATIONS

19 Research Papers and 2 Chapter in books

2019

1. Sharma N, **Koshal Kumar**, Kumar Y, Mahato B, Kumar Y, Rana A, Kaundal S, and Nautiyal SC (2019) Study of Pandemic 2009 Influenza A (H1N1) Virus by Cellular and Molecular Profiling in Uttarakhand population: Clinical influence and epidemiology. Int J Bioassays 8(2): 5734-5739 ICV Value 90.04 E-ISSN: 2278-778X
2. **Koshal Kumar**, Anita Rawat Rana and CB Kotnala (2018) Fecundity and egg dimension of freshwater prawn *Macrobrachium assamense peninsulare* (Tiwari 1958) from Rawasan stream of Garhwal, Central Himalaya, India. **Accepted in** Pakistan J Zool ISSN 0030-9923.... Journal Citation Reports released (Thomson Reuters) Impact Factor 0.790. NAAS 6.55.
3. Sharma N, **Koshal Kumar**, Kumar Y, Kumar Y, Aren A, Gairola Y, Koshore K, Nautiyal SC (2019) 2009 Influenza A (H1N1) Virus Pandemic With Respect To Indian Scenario: An Update. Glob J Biosci Biotechnol, 8 (3) ISSN (Online): 2278-9103 ISSN (Print): 2278-8891..... (NAAS 4.13, IF:4.125 UGC list No 63319)

2018

1. **Koshal Kumar**, Anita Rawat Rana and CB Kotnala, (2018) Taxonomic Study And Identification Character Of Freshwater Prawn *Macrobrachium Assamense Peninsulare* (Tiwari, 1958) In Garhwal Region Of Central Himalaya, India. Int J Res Anal Rew 5(4): 485-491: E-ISSN 2348-1269, P- ISSN 2349-5138 <http://doi.one/10.1729/Journal.18981> UGC approved Journal (UGC Journal NO: 43602) IF 5.4, E-ISSN 2348-1269, P- ISSN 2349-5138
2. Awasthi, C, Singh, A, Sharma, N, Sharma, MD and **Koshal Kumar** (2018) Characterization of Dengue Virus by Molecular and Serological methods in Clinical Isolates and its association with Disease Monitoring. Int J Res. Anal Rew 5(4):560-566 <http://doi.one/10.1729/Journal.19273> UGC approved Journal (UGC Journal NO: 43602) IF 5.4, E-ISSN 2348-1269, P- ISSN 2349-5138
3. Baluni P, **Koshal Kumar**, Joshi, HK (2018) Ecology, Distribution Pattern, Density and Diversity of Periphyton in Khankra Spring Fed Stream of Garhwal Himalaya, India. J Mountain Res (13):95-99. ISSN-0974-3030 (SIF 2.15 NAAS 2.26).

2017

1. **Koshal Kumar**, Kotnala, CB and Anita Rawat Rana (2017) Evaluation of Gonadal Indices to understand the reproductive rhythm of *Macrobrachium assamense peninsulare* from Rawasan stream of Uttarakhand, India. Env Cons J 18 (1 & 2) 21-25. ISSN 0972-3099 (Print) 2278-5124 (Online) UGC approved Journal (UGC Journal NO: 19733, NAAS)
2. **Koshal Kumar**, Jitendra Singh Rana, Anita Rawat Rana and Kotnala, CB (2017) Checklist of Benthic Macroinvertebrate Communities Of Stream Rawasan In Garhwal Region (Central Himalaya), Uttarakhand (India). J Mountain Res (12): 91-95. ISSN-0974-3030 (SIF 2.15 NAAS 2.26), UGC approved Journal (UGC Journal NO: 43054, NAAS 2.26)

2016

1. **Koshal Kumar**, Anita Rawat Rana and Kotnala CB (2016) Preliminary study of Fulton's condition factor (CF) and relative condition factor (Kn) of *Macrobrachium assamense peninsulare* from Rawasan stream, Uttarakhand, India. Int J Curr Res 8 (9): 37736-37739. (ISSN: 0975-833X) SJIF: 7.086
2. **Koshal Kumar**, Kotnala, CB and Anita Rawat Rana, (2016) Quantitative and Qualitative Gut Content Analysis Of *Macrobrachium assamense peninsulare* From Rawasan Stream of Garhwal Himalaya, Uttarakhand, India. Int J Adv Res 4 (12): 786-791 ISSN-2320-5407 UGC approved Journal (UGC Journal NO:47231)) IF: 5.336
3. **Koshal Kumar**, Anita Rawat Rana and Kotnala CB (2016) Water Quality and Pollution Status of Rawasan Stream In Garhwal Himalaya, Uttarakhand, India. J Mountain Res (11):9-14 ISSN-0974-3030 (SIF 2.26) UGC approved Journal (UGC Journal NO: 43054, SIF: 2.15)

2015

1. Katoch, PD, Balodi VP, Thapliyal, A, **Koshal Kumar**, Md Rashid, Md Sagir and A.K. Dobriyal (2015) Population structure and diversity analysis of benthic Ephemeropterans in Western Nayar River during 2014-15. J Mountain Res 10: 55-66 ISSN-0974-3030 UGC approved Journal (UGC Journal NO: 43054)
2. **Koshal Kumar**, Kotnala CB and Anita Rawat Rana (2015) Sex composition status of *Macrobrachium assamense peninsulare* (Tiwari, 1958) from Rawasan stream, Garhwal Himalaya Uttarakhand, India. J Mountain Res 10: 29-33 ISSN-0974-3030 UGC approved Journal (UGC Journal NO: 43054)
3. Balodi, VP and **Koshal Kumar** (2015). Macro-Zoobenthic study in relation to physico-Chemical parameters of Khoh River in Uttarakhand. Int J Sci Res 4 (6): 171-173 ISSN- 2277- 8179 UGC approved Journal (UGC Journal NO: 5399)
4. Balodi, VP, **Koshal Kumar**, Thapliyal, A and Rashid, M (2015) Inter-Relationship between Physico-Chemical Parameters and Plankton Diversity In Rhithron Section Of The Western Nayar, Uttarakhand, India. J Int Acad Multidis 3 (4): 293-297 (ISSN-2320-5083) IF: 1.625

2014

1. **Koshal Kumar**, Anita Rawat Rana and Kotnala CB (2014) Length–weight Relationship of *Macrobrachium assamense peninsulare* (Tiwari, 1958), a minor freshwater prawn in Rawasan stream of Uttarakhand. J Mountain Res (9):13-19 ISSN-0974-3030 UGC approved Journal (UGC Journal NO: 43054)
2. Balodi, VP, **Koshal Kumar**, Rashid, M. and Thapliyal, A (2014) Study of planktonic diversity in Potamon section of Western Nayar, Uttarakhand, India. J Mountain Res (9): 95-102. ISSN-0974-3030 UGC approved Journal (UGC Journal NO: 43054)
3. **Koshal Kumar**, Kotnala, CB and Anita Rawat Rana (2014) Morphometric study of *Macrobrachium assamense peninsulare* (Tiwari, 1958) from Rawasan stream of Garhwal Himalaya, Uttarakhand, India. Int J Adv Res 2(8): 317-322. ISSN-2320-5407 UGC approved Journal (UGC Journal NO:47231, IF:1.659, IC Value: 4.96)

2013

1. Anita Rawat Rana and **Koshal Kumar** (2013) Length-weight relationship and Fulton's condition factor of *Macrobrachium assamense peninsulare* in Khoh tributary of Ram Ganga from Garhwal Himalaya, Uttarakhand India. Env Cons J 14 (3) 17-22. ISSN 0972-3099 (Print) 2278-5124 (Online) UGC approved Journal (UGC Journal NO: 19733) IF .58, NAAS 3.71, ICV 3.74)

Chapter in books: 02

1. **Koshal Kumar**, Anita Rawat Rana and Shurveer Singh (2014) Seasonal variation of freshwater prawn (*Macrobrachium assamense peninsulare*) from the two tributaries of river Ganga in Garhwal Himalaya, Uttarakhand, India. Science and Technology In Uttarakhand: Selected Research Articles 5th and 6th Uttarakhand State Science And Technology Congress. Pp.175-181 (ISBN-978-81-211-0887-A)
2. Anita Rawat Rana, **Koshal Kumar** and Shurveer Singh (2012) Impact of physio-chemical parameters on distribution and relative abundance of aquatic biodiversity in particular, crustacean fishery from Khoh tributary of Ganga in Garhwal Himalaya. Biotechnology Issues, Opportunities and Challenge. Vol. (1) Pp. 202-207 (ISBN: 978-81-923296-4-2).

PERSONAL PROFILE

- Father's Name : Sri. AMAR NATH
- Mother's Name : Smt. SHANKRI DEVI
- Date of Birth : 2 August 1985

- Gender : Male
- Marital Status : Married
- Nationality : Indian
- Correspondence Address : Department of Zoology, BGR Campus Pauri,
(Garhwal) -24600, H.N.B Garhwal University
(A Cental University) Srinagar, (Garhwal) UK.
- Permanent address : Vill. Balotta Upperla, Post office and Teh. Basant
Garh-182128, Distt. Udhampur (J&K)

Declaration

I hereby solemnly declare that all the above information's are true and correct to the best of my knowledge and belief.

Dated: 16/1/2019



(Dr Koshal Kumar)