

Name: **RAM KUMAR**
Professor of Environmental Sciences
Central University of Bihar
Mobile: (+91) 8235426744
Email: ramkumar@cub.ac.in



ADDRESS: BP-48, Vaishali Appt
Maurya Enclave,
Pitampura,
Delhi: 110 034, India
Phone: (+91) (11) 2731 8279
Mobile: (+91) 9811766991
Email: ecosystem.kumar@gmail.com; ramkumar@cub.ac.in

Current Affiliation: Professor of Environmental Science (September 2014 onwards);
Dean School of Earth, Biological and Environmental Sciences, Central University of
South Bihar

FIELD OF SPECIALIZATION

Evolutionary and population ecology of marine and freshwater zooplankton, Ecological
impact assessment and restoration of degraded wetlands, Bio -control and Bioremediation

AWARDS AND ACHIEVEMENTS:

- 2016:** **Prof. M. C. Dash Gold Medal Award** by Zoological Society of India at Davangere, Karnataka
- 2011:** **Visiting Scholar**, Institute of Marine Biology, National, Taiwan Ocean University, Taiwan
- 2010:** **Invited Professorship**, *Université Littoral* - Station Marine, UMR 8187 LOG 28, Avenue Foch; 62930 Wimereux, France
- 2009** **Invited Professorship**, Université Lille 1 - Station Marine UMR, 8187 LOG – 28, Avenue Foch 62930; Wimereux, France
- 2009** **Best paper presentation award in** in the technical session, Freshwater and Marine Biology during **20th All India Congress of Zoology at CIFE, Mumbai**
- 2009** **Best paper presentation award in** in the technical session, Aquaculture during **20th All India Congress of Zoology at CIFE, Mumbai**
- 2006** **Award of Excellence** by Academics for social justice, University of Delhi
- 2005:** **Post Doc**, National Science Council of Taiwan, Institute of Marine Biology, National Taiwan Ocean University, Taiwan
- 2001-2004** **Young Scientist Award:** DST-Ministry of Science & Technology, India
- 2000-2001** **Research Associate:** Council of Scientific and Industrial Research (CSIR), India
- 1999-2000** **Post Doc**, National Science Council of Taiwan, at Institute of Marine Biology, National Taiwan Ocean University, Taiwan
- 1995** Senior Research Fellowship, CSIR, India
- 1993** Junior Research Fellowship, CSIR, India
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Invited Lectures/ Conference Chair:
(International:07; National :12)

- June 2019:** Delivered Invited lecture on “**Restoration of wetlands and water conservation**” during National Conference on Conservation and Preservation of Bioresources in Northeast India during June 28-29, 2019, at ChandraNath Bezbaruah College, Bokahat, Golaghat, Assam and Department of Zoology, Gauhati University, Gauhati.
- June 2019:** Delivered Invited lecture on “**Cleanliness and Conservation primary steps of Ecosystem restoration**” on June 8, 2019, at Bihar Animal Science University Patna, Bihar.
- September, 2018:** Delivered Keynote lecture on: **Larval development in fish is affected by hydrodynamic properties in riverine habitat:** and chaired a session during National Seminar on Recent Advances in Bioresources & Annual General Body meeting of Zoological Society of Assam during 21-22 September, 2018.
- September 2017 Delivered Invited lecture on “**Bacterivorous zooplankton as key determinants of wastewater aquaculture**” during 12th annual congress of Society for Ecological Engineering” at Kalyani University, West Bengal, Kalyani (during 2nd to 4th September, 2017)
- October 2016 Delivered Invited lecture on “**Conspecific competitors and predators trigger production mictic females in the rotifer, *Brachionus calyciflorus***” in the International Symposium on “Understanding the Molecules of Life in the Era of New Biology” & 28th All India Congress of Zoology (AICZ), organized by Departments of Life Sciences, Davangere University, Davangere, Karnataka State, India (during 20th -22nd October, 2016)
- November 2015 Delivered Invited lecture on “**Understanding of trophic cascade and aquatic biodiversity conservation**” in the National Workshop on Practice and Tools of Biodiversity Conservation in Protected Areas” University Department of Botany, T.M. Bhagalpur University, Bhagalpur, during November 24-25, 2015.
- May 2015 Delivered Invited lecture on “**Evaluation of Integrated Biofiltration System for onsite Wastewater treatment**” in the National Seminar on Sustainable Solutions to Water, Wastewater and Solid waste, during May 8-9, 2015, jointly organized by AN College Patna and CSIR-NEERI, Mumbai Zonal Center at AN College Patna.
- April 2015 Delivered Invited lecture on “**Aquatic Medicinal Plants in Wetlands of Delhi, India,** in the National Seminar on Medicinal plants: Cultivation and marketing” during April 11-12, 2015 at Chas College, Bokaro.
- February 2015 (i) Delivered an invited presentation on “**Application of Vermifiltration and bacterivorous zooplankton enhances efficacy of waste water**”

- treatment**” in National Symposium on Advances in Environment Sciences on February 27, 2015 (ii) invited lecture on “In situ application of copepods as biocontrol agent of mosquito on February 26, 2015 at School of Environment and Sustainable Development, **Central University of Gujarat**, Gandhinagar, Gujarat.
- July 2014 Presented two papers (i) invited presentation on “*Susceptibility of cyclopid copepod (Mesocyclops sp) to protistan epibionts and copepod predation* and (ii) poster presentation on “*Demographic parameters of Acartia bilobata as a function of salinity and temperature*” during 12th International Conference on Copepoda during July 14th to 18th, 2014, at **Hanyang University, Seoul, Korea**.
- March 2014 Delivered **plenary lecture** on “Life history strategy of zooplankton in ephemeral wetlands during the National Conference on “**Aquatic Ecosystem and their management: Recent trends and future perspectives**”, 21-23 March 2014” at Central University of Bihar, Patna, Bihar, March 22-13, 2014.
- January, 2014 Delivered **plenary lecture** on “Aquatic biodiversity and copepods “during the Faculty Development Programs at BIT, Patna, India
- July, 2013 Delivered inaugural lecture and acted as resource person in Faculty Development Programme held at Birla Institute of Technology Patna on **20-21 July 2013**.
- February 2013 Delivered Invited lecture and acted as Judge for the poster competition during **International Conclave on Innovation in Engineering and Management (ICIEM-2013)** conducted by the Birla Institute of Technology, Patna during **8-9 February 2013**.
- April 2012 Delivered invited lecture on “Direct observation of the predation behavior of *Mesocyclops thermocyclopides* preying on larval (fish, *Artemia* and mosquito larvae) prey and shaping aquatic biodiversity” also in the UGC sponsored National Seminar on “Biodiversity: Its conservation and sustainable development for human welfare *organized by* University Department of Zoology, Vinoba Bhave University, Hazaribag, Jharkhand & Zoological Society of India, April 7-9, 2012
- April 2012 Presented invited lecture on “Community structure of macrobenthic invertebrates in the River Ganga in Bihar, India” in Author’s symposium on Major River Systems **in India, CIFRI, Barrakpore**, Kolkata, India, April 22-23, 2012.
- July 2011 Acted as Resource person, and chaired a session in the **Workshop on Diversity and Ecology of Freshwater Zooplankton in South East Asia**, at the National Forest Park of Liuxihe, in Guangzhou, China during 3 - 7 July, 2011.

- August 2011 Presented paper and chaired a session in International conference on **monitoring and management of degraded wetlands** held at Pattaya, Thailand 5-9 August, 2011.
- November 2010 Presented invited paper and chaired a session in International **Taiwan–France conference on Biodiversity and Ecophysiology of Marine Organisms**. At National Taiwan Ocean University, Keelung, Taiwan, November 19-20.
- March 2010 Delivered **plenary lecture** on “Copepods as determinants of biodiversity in freshwater and marine ecosystems: a comparative overview” during the National Symposium on Biodiversity, Biotechnology and Man: Interdependence and future challenges, held at Govt. P. G. College, Lansdowne (HNB Garhwal University, Uttarakhand, India).
- October 2009 Delivered an **invited lecture and chaired a session** and at the International conference on Dormancy in Crustaceans: Research findings and applications, Keelung, Taiwan.
<http://www.google.co.in/search?hl=en&lr=&q=Ram+Kumar+copepod&start=10&sa=N>
- July 2008 **Chaired a session in the 10th International conference on copepoda**, Pattaya, Thailand.
http://202.28.94.202/10icoc/doc/Scientific_Program_4_July_2008.pdf
- July 2005 **Chaired a session on copepod-fish interaction in the 9th international conference on copepoda, Hammamet, Tunisia.**

CONFERENCE / WORKSHOP ORGANIZED (National: 02)

(1) **Organized the National Symposium on Biodiversity, Biotechnology and Man: Interdependence and future challenges**, at Govt. P. G. College, Lansdowne (HNB Garhwal University, Uttarakhand, India, **26-28 March 2010**).

(2) **Organized the National Conference on “Aquatic Ecosystem and their management: Recent trends and future perspectives”, during 21-23 March 2014**” at Centre for Environmental Sciences: Central University of Bihar, Patna, Bihar.

(3) **In collaboration with Makhanlal Chaturvedi Patrakarita Vishwavidyalaya, Bhopal, organized National Colloquium on : Bharat Kee Gyan Parampara**” at AN Sinha Institute of Social Science, Patna during April 14-15, 2016.

FOREIGN ASSIGNMENT:

Visited 14 countries as Visiting Scientist, invited Professor and to present papers in International conferences.

Important foreign assignments are as follow:

September 2010 to August 2011: **Visiting Scholar** Institute of Marine Biology, National Taiwan Ocean University, **Keelung, Taiwan**

- May-June 2010: **Invited Professor, Université Littoral** - Station Marine UMR 8187 LOG – 28, Avenue Foch 62930 Wimereux, **France** completed a project on “**Piscivory in predatory copepods and fish**”
- May-June 2009: **Invited Professor, Université Lille 1** - Station Marine UMR 8187 LOG – 28, Avenue Foch 62930 Wimereux, **France**, completed a project on “Feeding ecology of zooplankton, role of planktonic copepods in freshwater and marine ecosystems”
- June 2009; Attended workshop on application of PRIMER software (Plymouth Routines In Multivariate Ecological Research), Centre for Estuarine and Marine Ecology, **The Netherlands Institute of Ecology (NIOO-KNAW), 4401 NT, Yerseke, The Netherlands.**
- October –November 2008: **Visiting Scholar** Institute of Marine Biology, National Taiwan Ocean University, Keelung, **Taiwan**
- October 2007: **Visiting Scholar** Institute of Marine Biology, National Taiwan Ocean University, Keelung, **Taiwan**
- April 2005 to January 2006: **Post Doc at Institute of Marine Biology**, National Taiwan Ocean University, Keelung, Taiwan, Project title: “Diversity of Copepods In The East China Sea, South China Sea And Kuroshio Current of North- Western Pacific Ocean.
- July 1999: Attended workshop on “*Demographic Toxicity: Methods in Ecological Risk Assessment and Species Conservation*”, The Department of Ecology and Evolution at Stony Brook, **Stony Brook University, State University of New York, USA**

PROFESSIONAL WORK EXPERIENCE:

Period	Institution	Position held	Courses taught
September 2014 to date	Central University of Bihar	Professor, Department of Environmental Science	Ecology, Biodiversity, Restoration ecology
July 2012 to September 2014	Central University of Bihar	Associate Professor & Head, Centre for Environmental	Ecology, Biodiversity, Restoration ecology
October 2011 to July 2012	Central University of Bihar	Asso Prof. Centre for Environmental Sciences	-do-

19/02/2005 to 26/09/2013	Achraya Narendra Dev College, University of Delhi, India	Lecturer in Senior scale	Ecology for BSc. Honours in Zoology and Life Science major
May-June 2010	Université Littoral - Station Marine UMR 8187 LOG – 28, Avenue Foch 62930 Wimereux, France	Invited Professor	Piscivory in predatory copepods and fish
May-June 2009	Université Lille 1 - Station Marine UMR 8187 LOG – 28, Avenue Foch 62930 Wimereux, France	Invited Professor	Feeding ecology of zooplankton, role of planktonic copepods in freshwater and marine ecosystems
10/10/2008 to 12/11/2008	Institute of Marine Biology, National Taiwan Ocean University	Visiting Scholar	Evolutionary ecology for MSc. in Marine Biology
October 2007	Institute of Marine Biology, National Taiwan Ocean University	Visiting Scholar	Evolutionary ecology for MSc. in Marine Biology
October 2006	Institute of Marine Biology, National Taiwan Ocean University	Visiting Scholar	Evolutionary ecology for MSc. in Marine Biology
April 2005 to January 2006	Institute of Marine Biology, National Taiwan Ocean University	Post Doc	Assigned to teach Evolutionary Ecology for MSc. in Marine Biology
01/08/2003 to 15/02/2005	Acharya Narendra Dev College, University of Delhi	Lecturer	Animal diversity (Nonchordata and Chordata) for BSc. General and Honours in Zoology

OTHER TRAINING

- 2000 -onwards Frequent presentations of research undertaken and findings at various national and international conferences as participant or invited speaker.
- 2009 Attended workshop on application of PRIMER software (Plymouth Routines In Multivariate Ecological Research), Centre for Estuarine and Marine Ecology, The Netherlands Institute of Ecology (NIOO-KNAW), 4401 NT, Yerseke, **The Netherlands**.

- 2005 Successfully completed the Diploma in management of Aquatic resources conducted by the National Taiwan Ocean University, **Keelung Taiwan/ROC**.
- July 2005 Participated and acted as resource person in the pre-conference Workshop on Systematics, Morphology and Techniques for Identification of Copepods, **Hammamet, Tunisia**.
- September 2005 Attended 7th Subfossil Cladocera Workshop, Hertzberg, Switzerland organized by Swiss Federal Institute for **Environmental Science and Technology (EAWAG), Switzerland**.
- July 2002 Participated in the training course on Morphology and Systematics of Copepoda. **National Museum of Marine Biology and Aquarium (NMMBA), Kenting, Taiwan/ROC**.
- 1999 Attended workshop on “*Demographic Toxicity: Methods in Ecological Risk Assessment and Species Conservation*”, **The Department of Ecology and Evolution at Stony Brook, Stony Brook University, State University of New York**.
- December 1998 Attended and acted as resource person during Third National Workshop on Biostatistics and Biometry Organized by the Department of Zoology, **Banaras Hindu University; Varanasi, India**.
- December 1995 to January 1996 Attended Workshop/Training Course on **Quantitative Methods in Ecology**, conducted by the Dept. of Zoology, **University of Delhi, India**.

PARTICIPATION IN OCEANOGRAPHIC AND LAKE RESEARCH CRUISE

1. Member of 3days **Lake Brienz (German: Brienzersee) cruise** as part of the multidisciplinary project of Kanton of Bern, Switzerland, 8-10, September 2005.
2. Acted as team leader for **Kuroshio expedition**: in Northern- west Pacific Ocean (Kuroshio Current), 3 days, October, 2005 (Ocean Research Vessel-I of National Science Council Taiwan)
3. Member of oceanographic research cruise in **South China Sea** (National Research Vessel No.2 (October, 2007), cruise leader Prof. Dr. J.-S. Hwang
4. Acted as team leader for **Kuroshio expedition**: in Northwestern Pacific Ocean (Kuroshio Current), 2 days, October, 2007 (Ocean Research Vessel-I of National Science Council Taiwan)
5. Acted as team leader for **Kuroshio expedition**: in Northwestern Pacific Ocean (Kuroshio Current), 6 days Research cruise, November, 2009 (National Research Vessel-I of National Science Council Taiwan under the aegis of GLOBEC (Global Ocean Ecosystem Dynamics) program of UNESCO.
6. Participated the **Seine River Estuary to the Atlantic Ocean Cruise** (May 31 to- June 4, 2009) Cruise leader Prof. Dr. Sami Suissi Universite de Lille 1 Sciences et Technologies; CNRS - UMR 8187

SUMMARY OF PUBLICATIONS

Papers in Reputed International Journals (SCI)	52
Papers in local journals	08
Papers in refereed conference proceedings	06 (included in the SCI Journal above)
Conference abstracts	54 (International: 39; National: 15)
Session chaired	8 (International: 4; National: 4)
Book chapters	4
Book reviews	1
Invited seminar presentations:	12 (Abroad); 4 (India)
Books	1
Scientific films/ Multimedia	3
Project reports	3
Monitoring / Ecological impact assessments	2

CURRENT RESPONSIBILITY:

ACTIVITY RELATED TO CORPORATE LIFE OF THE UNIVERSITY

- (i) Coordinator CUSB Ecoclub (since 2013)
- (ii) Member Library committee
- (iii) Member scholarship committee
- (iv) In charge, CUSB Central Instrumentation Facility (CIF)

ADMINISTRATIVE RESPONSIBILITY

- (i) Head, Department of Environmental Science,
- (ii) Dean, School of Earth, Biological and Environmental Sciences
- (iii) Member Academic council of the University

SOCIETAL RESPONSIBILITY:

- (i) State Secretary, Vigyan Bharti, Bihar
- (ii) Extension activity: Since 2017, acting as Bihar state coordinator for Vidarthi Vigyan Manthan (India's largest talent search in field of science and technology), jointly conducted by Vijnana Bharti, Vigyan Prasar (DST) and NCERT.
- (iii) Acting as member of IUCN subcommittee, for drafting policy documents for Wetland conservation for the Govt. of Bihar

EXTERNAL EXPERT MEMBER:

(Contribution to educational innovation, design of new curricula and courses)

1. **External Expert member of Board of Studies** for Environmental Studies, Vinoba Bhave University, Hazaribagh, Jharkhand, India
2. **External Expert member of Board of Research Studies** for Environmental Sciences, Magadh University, Bodh Gaya, Bihar
3. **External expert Member** procurement committee for laboratory, Nalanda University, Rajgir
4. **Cognate Member Board of Studies**, Department of Life Science (Curriculum Development for B. Sc. M. Sc. and M. Phil Programme in Life Science) during 2013 to 2018.

CONTRIBUTION IN ESTABLISHMENT OF THE CENTRAL UNIVERSITY OF SOUTH BIHAR:

- i. Conducted first recruitment drive for nonteaching staff in CUSB (erstwhile CUB)
- ii. Established Science laboratory and subsequently laboratory for Environmental Science
- iii. Acted as coordinator in development of curriculum for MSc- Environmental Science and M. Sc-Life Science and acted as **Chairperson Board of Studies**,

- Centre for Environmental Sciences (Curriculum Development for M. Sc. and M. Phil/Ph.D. Environmental Sciences)
- iv. For proper curricular development coordinated three days national level workshop on **Choice Based Credit System (CBCS)** at CUSB.
 - v. Established and coordinated the Career counseling and placement cell for the University and acted as **In charge, Placement cell** since during September, 2011 to 2014.
 - vi. Established and coordinating CUSB-Ecoclub
 - vii. Played important role in establishing Central Library for the university as **Chairperson, Library subcommittee** for database selection
 - viii. **Acted as Chairperson, Central Purchase Committee**, Central University of Bihar in 2012-13.
 - ix. **Chairperson, CUB, ICT** policy drafting Committee, 2013
 - x. **Chairperson, Department Research Council** for Centre for Environmental Sciences, Central University of Bihar.
 - xi. Member **first University Research Council**, Central University of Bihar (now CUSB)

CONTRIBUTION IN PROGRESS OF THE UNIVERSITY

- i. Acted as member of 2nd Academic council of CUB
- ii. Acted as member of 2nd Executive council of the University
- iii. Member 3rd Academic Council
- iv. Played important role in drafting the first ordinance for the University
- v. Acted as NAAC coordinator for the first accreditation of the University
- vi. Acted as Nodal Officer for the first NIRF ranking by NBA

EDITORIAL ASSIGNMENT:

- i. **Academic Editor PLOS ONE**
- ii. **Associate Editor, Frontiers in Marine Science (Frontiers in Marine pollution):**
Published by Frontiers Editorial Office: EPFL - Innovation Square, Building I
CH – 1015 Lausanne, Switzerland
http://www.frontiersin.org/Marine_Pollution/editorialboard

- iii. **Member International Advisory Board of the e-Journal** “International Journal of Applied Sciences and Management” published by *Waljat College of Applied Sciences (WCAS), Muscat; Oman.*
- iv. <http://www.waljatcollege.edu.om/journal/editorialboard.html>

REFEREEING EXPERIENCE:

- i. Acting as reviewer for following International Journals
- ii.
- iii. International Review of Hydrobiology
- iv. Hydrobiologia
- v. Zoological Studies
- vi. Fundamental of Applied Limnology/ Archiv für Hydrobiologie
- vii. Helgoland Marine Research
- viii. Journal of Marine Science and Technology
- ix. Journal of Plankton Research
- x. Journal of Aquatic Biology
- xi. Journal of Experimental marine Biology and Ecology

PROFESSIONAL MEMBERSHIPS

Member: World Association of Copepodologists
International Association of Theoretical & Applied Limnology (SIL)
National Institute of Ecology

Life Member: Indian Science congress Association
South Asian Association for Vector Control (SAAVC)
Tribal Eco-Conservation Society

ONGOING RESEARCH PROJECTS:

1. “Ecophysiological and biochemical studies on diapause in selected Zooplankton” (SB/SO/AS-29/2013), Funded by **Department of Science and Technology**, Government of India (*Rs. 36 Lacs*), being executed at Centre for Environmental Sciences, Central University of Bihar.
2. “Assessment of the potential of Natural Gangetic Biofilters for wastewater treatment in constructed wetland” Funded by **Department of Biotechnology**, Ministry of Science and Technology, Govt. of India

SIGNIFICANT ACCOMPLISHMENT:-

1. Can Copepods control cyanobacterial blooms in eutrophic water bodies: an experimental evaluation? *Funded by* Ministry of Science and Technology, (DST) under Young Scientist Scheme.
2. Long term monitoring of the zooplankton community structure over the discharge area in waters off the Nuclear Power Plants, north of Taiwan
3. Impact of outfall discharge on Zooplankton community structure over a marine outfall area in the northeastern South China Sea
4. A comparative study of different aquatic predator's ability to utilize mosquito larvae as food source in the presence of co-inhabitant alternative prey. *Funded by* National Taiwan Ocean University, Taiwan/ROC.
5. Microhabitat types as determinants of community structure of meso and macro benthic invertebrates in River Ganga (from Buxar to Bahgalpur) and Yamuna (Delhi stretch).

LIST OF MOST SIGNIFICANT TEN PUBLICATIONS (I.F. indicates SCI Impact factor)

1. **Ram Kumar**, Sami Souissi, Jiang-Shiou Hwang (2012). Vulnerability of carp larvae to copepod predation as a function of larval age and body length. **Aquaculture** 338-341: 274-283. (doi:10.1016/j.aquaculture.2012.01.001 (I.F. 2.1). <http://www.sciencedirect.com/science/article/pii/S0044848612000026>
2. L. -C. Tseng, **Ram Kumar**, Q. -C. Chen, J. S. Hwang (2011). Faunal shift between two Copepod Congeners (*Temora Discaudata* and *T. Turbinata*) in the Vicinity of two Nuclear Power Plants in Southern East China Sea: Spatiotemporal patterns of population trajectories over a decade. **Hydrobiologia** 666: 301-315 (I. F. 1.76). <http://www.springerlink.com/content/00g773tq57236316/>
3. L. -C. Tseng, **Ram Kumar**, Q.-C. Chen, J. -S. Hwang (2011) The summer distribution of Noctiluca and mesozooplankton abundance in the western and southern East China Sea before the Three Gorges Dam operation **Hydrobiologia** 666: 239-356(I. F. 1.76). <http://www.springerlink.com/content/h03q87331225036j/>
4. **Ram Kumar**, P. Prasad, H-U. Dahms, L. C. Tseng, J. -S. Hwang (2008). Potential of three aquatic predators to control mosquitoes in the presence of alternative prey: a comparative experimental assessment. **Marine & Freshwater Research** 59: 817-835 (CSIRO Publication; IF 1.8)
5. **Ram Kumar** and J. S. Hwang (2008). Ontogenetic Shifts in the Ability of the Cladoceran, *Moina macrocopa* STRAUS and *Ceriodaphnia cornuta* SARS to Utilize Ciliated Protists as Food Source **International Review Hydrobiology** 93:284-296 (Wiley -VCH; IF 1.6).
6. L. C. Tseng, **Ram Kumar**, H. U. Dahms, C. T. Chen, S. Souissi, Q. C. Chen and J.-S. Hwang (2008). Copepod community structure over a marine outfall area in the northeastern South China Sea, **Journal of the Marine Biological Association of UK**. 88(5): 955-966. (Cambridge University Press; IF 1.2).
7. **Ram Kumar** and J-S Hwang (2006) Larvicidal efficiency of aquatic predators: a perspective in mosquito biocontrol. **Zoological Studies** 45 (4): 447-466. (I.F. 0.88).

8. **Ram Kumar** (2003): Effect of *Mesocyclops thermocycloides* (Copepoda, Cyclopoida) predation on population dynamics of different prey: a laboratory study. **Journal of Freshwater Ecology** 18 (3): 383 – 393 (I.F. 0.41).
9. **Ram Kumar** (2003): Effect of different food types on the post embryonic developmental rates and demographic parameters of *Phyllodiaptomus blanci* (Copepoda; Calanoida). **Archive für Hydrobiologie**. 157: 351 – 377 (I.F. 2.12).
10. **Ram Kumar** and T. R. Rao (1999). Demographic responses of adult *Mesocyclops thermocycloides* (Copepoda, Cyclopoida) to different plant and animal diets. **Freshwater Biology** 42: 487 – 501 (Wiley Blackwell; IF 2.8)

Publication since 2011 (after joining CUSB)

1. Diwakar Prakash, S. L. Niangthianhoi, Ram Kumar* and Faiyaz A. Khudsar (*In press*) Nest construction process in Streaked Weaver *Ploceus manyar*, Indian Birds,.
2. R. Dhanker, A. Tiwari², H-U. Dahms, R. Kumar and J. S. Hwang (2019). Influence of Three Diatom Aldehydes against the Dengue Vector *Aedes aegypti* (Diptera: Culicidae), American Journal of Plant Sciences, 10, *-
*. [https://doi.org/10.4236/ajps](https://doi.org/10.4236/ajps.2019.100000); <https://www.scirp.org/journal/ajps>;
3. Hasko F. Neemann, Gopal Sharma, Ram Kumar*, Ashish Sheetal and Saryu Roy (2017). Do the rivers of a region (Jharkhand) Damodar and Subernarekha differ in biodiversity of aquatic macro-zoo-benthos and functional feeding groups? *Aquatic Ecosystem Health & Management*, 16:4, 374-384. ISSN: 1463-4988 (Print) 1539-4077 <http://www.tandfonline.com/loi/uaem20>
4. Raunak Dhanker, Juan Carlos Molinero, Ram Kumar, Li-Chun Tseng, Adriana Ianora and Jiang-Shiou Hwang (2015). Responses of the estuarine copepod *Pseudodiaptomus annandalei* to polyunsaturated aldehydes: Reproduction, survival and postembryonic development, *Harmful Algae*: 74–81. <http://dx.doi.org/10.1016/j.hal.2015.02.002>
5. C. H. Wu, L. C. Tseng, Ram Kumar, T. Kao, G. –S. Lian, J. S. Hwang (2015). Six years of observations of copepod community structure in a mixed semi-enclosed embayment in the tropical West Pacific: *In Climate Change Aquatic Community Structure and Disease*/Ed. Ram Kumar).
6. S.P. Roy, Richa Roy, A.K. Prabhakar, A. Pandey, Ram Kumar (2013). Longitudinal and temporal patterns of zooplankton distribution and community structure in the Vikramshila Gangetic Dolphin Sanctuary, Bihar, India, *Aquatic Ecosystem Health & Management*, 16:4, 374-384; <http://dx.doi.org/10.1080/14634988.2013.857564>
7. Raunak Dhanker, Ram Kumar, Li-Chun Tseng and Jiang-Shiou Hwang (2013). Ciliate (Euplotes sp.) predation by *Pseudodiaptomus annandalei* (Copepoda: Calanoida) and the effects of mono-algal and pluri-algal diets. *Zoological Studies* 2013, 52:34 ; <http://www.zoologicalstudies.com/content/52/1/34>.
8. Ram Kumar, H. Neemann, G. Sharma, L.-C. Tseng, A. K. Prabhakar & S. P. Roy (2013). Community structure of macrobenthic invertebrates in the River Ganga in Bihar, India. *Aquatic Ecosystem Health & Management*, 16:4, 385-394; <http://dx.doi.org/10.1080/14634988.2013.846200>

9. L.-C. Tseng , H.-U Dahms , **Ram Kumar** , Q.-C. Chen & J.-S. Hwang (2013): Autumn community structure in the shallow mixed layer of the subtropical South China Sea reveals a peculiar copepod and zooplankton assemblage, *Journal of Natural History*, 47:5-12, 667-683; <http://dx.doi.org/10.1080/00222933.2012.716866>
10. R. Dhanker, **Ram Kumar**, J.-S. Hwang (2013). How effective are *Mesocyclops aspericornis* (Copepoda: Cyclopoida) in controlling mosquito immatures in the environment with an application of phytochemicals? **Hydrobiologia**. 716:147–162; DOI 10.1007/s10750-013-1559-9
11. R. Dhanker, **Ram Kumar**, L. C. Tseng, J. S. Hwang (2013). Ciliate (*Euplotes* sp.) predation by *Pseudodiaptomus annandalei* (Copepoda: Calanoida) and the effects of mono-algal and pluri-algal diets *Zoological Studies*, Dhanker et al. *Zoological Studies* 2013, 52:34; <http://www.zoologicalstudies.com/content/52/1/34>.
12. **Ram Kumar**, Sami Souissi, Jiang-Shiou Hwang (2012). Vulnerability of carp larvae to copepod predation as a function of larval age and body length. **Aquaculture** 338-341: 274-283. <http://www.sciencedirect.com/science/article/pii/S0044848612000026>
13. R. Dhankar, **Ram Kumar**, J. – S. Hwang (2012). Predation by *Pseudodiaptomus annandalei* (Copepoda: Calanoida) on rotifer prey: size selection, egg predation and effect of algal diet. **Journal of Experimental Marine Biology and Ecology**, 414-415: 44-53. <http://www.sciencedirect.com/science/article/pii/S0022098112000238>
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