

**Bilal Ahmad Paray**  
**Mobile : +966552772163**

**Email :**  
[bilalcare@gmail.com](mailto:bilalcare@gmail.com)  
[bparay@ksu.edu.sa](mailto:bparay@ksu.edu.sa)

**Contact Address:**  
PERMANENT ADDRESS:  
Dr. Bilal Ahmad Paray  
S/O: Abdul Karim Paray  
Saripara, Rohama,  
Rafiabad,  
Baramulla District  
Jammu and Kashmir  
India  
PIN: 193301

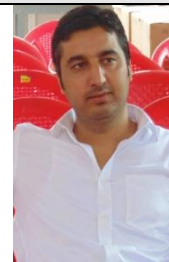
ADDRESS FOR  
COMMUNICATION:  
Dr. Bilal Ahmad Paray  
Assistant Professor  
Zoology Department,  
College of Sciences,  
King Saud University,  
PO Box 2455,  
Riyadh – 11451, Saudi  
Arabia.

### **Other Information:**

Date of Birth : 6th  
Aug.1981  
Gender : Male  
Nationality : Indian  
Marital Status : Married  
Languages Known:  
English, Hindi, Urdu,  
Kashmiri,

## **Objective**

Seeking for a challenging and rewarding position in an esteemed organization. I shall work with the best of my ability to stabilize and improve the growth of that organization and update my skills with the cutting edge knowledge in this highly informative world.



## **Interpersonal Skills**

- Self Confidence , friendly character and Hard Working
- Interest to learn.
- Willingness to adopt any kind of environment
- Good Communication Skill

## **Education**

- ❖ PhD (June, 2013) from department of Zoology, Mononmanium Sundaranar University, Tirunelveli, Tamil Nadu, India.
- ❖ Master of Zoology (2006) with first Division from University of Madras, Tamil Nadu, India
- ❖ Bachelor of Science (Zoology, Botany, Chemistry)(2004) from Kashmir University, J&K, India
- ❖ Senior Secondary Examination from JKBOSE (2001).

## **PROFESSIONAL EXPERIENCE**

- Working as **Assistant Professor**, Zoology Department, College of Science, King Saud University, PO Box 2455, Riyadh 11451, Saudi Arabia (From 27 October, 2014 till date, more than two years of research and teaching experience).
- Worked as **Research Associate** in ICAR NAIP Subproject, A Value Chain on Murrel Production in Tamilnadu and Orisaa-CARE, St.Xavier's College (Duration: July, 2012 – March, 2014).
- Worked as **Senior Research Fellow** in ICAR NAIP Subproject, A Value Chain on Murrel Production in Tamilnadu and Orisaa – CARE, St. Xavier's College (Duration: Nov. 2008 – June, 2012).

## RESEACH PROJECTS DONE

### 1) *Masters Research*

Department of Zoology, The New College, University of Madras, Chennai, Tamilnadu, India.

Thesis title “**Studies on the Moulting Stages and variation in the Biochemical Constitution in Green Tiger Shrimp, *Peneaus semisulcatus*”**

### 2) *Doctoral Research (September, 2009- June, 2013)*

Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India.

Thesis title “**Histological Studies on Ontogenic Development and Larval Rearing of Striped Murrel, *Channa striatus*”**”.

## RESEARCH FUNDING

**Principal Investigator:** Ecology and Molecular Characterization of Cultured Aquatic Species with Special Reference to Saudi Arabia. Project Number: **RG-1437-005** from Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

## PROFICIENCY

- ✓ **Aquaculture Techniques** – Induced Breeding, Artificial Fertilization and Cryopreservation.
- ✓ **Biochemical Techniques** – HPLC, Paper and thin layer chromatography and Water quality analysis and Proximate Analysis of Protein, Lipid and Fat, Protein purification
- ✓ **Molecular Techniques** - DGG, Agarose gel electrophoresis , DNA isolation, Phage isolation and PCR, Cloning,
- ✓ **Immunological Assay** - Histological and Hematological Techniques.
- ✓ **Basic Microbiological Techniques.**

### **Job Responsibilities (August 2008- Feb. 2013)**

- ❖ Mass seed production of murels and catfishes.
- ❖ Low cost breeding and hatching techniques for murels.
- ❖ Larviculture and rearing of young ones of murels and catfishes.
- ❖ Commercial culture of murels and catfishes for blue-collar jobs.
- ❖ Low cost feeding techniques for murels and catfishes.
- ❖ Conservation of threatened fish species by captive breeding and artificial fertilization

### **Participation in International / National Conference / Seminars /Workshops**

- ❖ International seminar on “Ecotechnology for Sustainable Development , ECOTECH- 2004” 4th- 6th September 2004 organised by Post Graduate and Research Department of Zoology, The New College, Chennai India.
- ❖ Participated in the National Symposium on Zoo Scope (2006) Department of Zoology in The New College, Chennai.
- ❖ Participated in Personality Development and Leadership Training Programme held on 10th April 2006 conducted by Ex. NSS Unit, The New College, Chennai – 14.
- ❖ Participated in the **21 days** Winter School on “Seed Production and Culture of Brackishwater Finfishes with special reference to Asian Seabass, *Lates calcarifer*” for college teachers/research workers organised by Indian Council of Agricultural Research (ICAR) held at Central Institute of Brackishwater Aquaculture (CIBA), Chennai from 20th January to 9th February 2009.
- ❖ Participated in the National Workshop on “Freshwater Fish Culture using Bioencapsulated Live Feeds towards Technological Empowerment of Fishermen and Self-help Groups” held during 18th- 20th August, 2010 organised by the Department of Zoology, Bharathiar University, Coimbatore.

## Paper presentation:

- ❖ Paper entitled “Induced Breeding and Seed Production of Striped Murrel *Channa striatus*” presented in International Conference in Asian Pacific Aquaculture 2011 Kochi (Sponsored by World Aquaculture Society and Kochi Fisheries College), India, January 17- 20, 2011.
- ❖ Paper entitled, “Seed Production and grow out technology for Murrel” presented in Chennai Aquaculture Technology Meet- 2011 [CATEET’11], Madras Veterinary College, Vepery, Chennai, 16th – 17th November, 2011.
- ❖ Paper entitled, “Effect of certain feeds on growth and survival of striped snakehead, *Channa striatus* (Bloch, 1793) hatchlings as test starter diets under captive conditions” presented in The Indian Science Congress Association, Coimbatore Chapter Meet, 15th – 16th December, 2012.

## PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS

### 2011

1. Ajaz Ali Bhat, M. A. Haniffa, P.R. Divya, A. Gopalakrishnan, M. James Milton, Raj Kumar and **Bilal Ahmad Paray**. (2011) Molecular characterization of eight Indian Snakehead species (Pisces: Perciformes Channidae) using RAPD markers. Mol.Bio.Rep., Mol.Bio.Rep, DOI 10.1007/s11033-011-1213-4. (IF : **2.92**).

### 2012

2. **Bilal Ahmad Paray**, Haniffa MA and Manikandaraja D. (2012). Induced ovulation and spawning of a striped snakehead murrel, *Channa striatus* (Bloch) under captive conditions. Journal of Research in Animal Sciences. 033-039 | JRAS | 2012 | Vol 1/ No.1.

### **2013**

3. **Bilal Ahmad Paray.**, Haniffa M.A and Manikandaraja D; M. James Milton. (2013). Breeding behavior and parental care of the induced bred striped murrel *Channa striatus* under captive conditions. Turkish Journal of Fisheries and Aquatic Sciences. 13:707-711 (**IF: 0.384**).
4. Haniffa M A, James Milton M, **Bilal Ahmad Paray**, Ajaz Ali Bhat and Allen Benziger P S. (2013). Color Variation, Taxonomic Ambiguity and Synonymous Confusion a Hurdle for Snakehead Conservation. American Journal of Research in Biology. 012-016/AMJB/2013/Vol 1/No.1.
5. M.A. Haniffa, B. Kavitha Bharathi, I. Viji Margaret, **Bilal Ahmad Paray** (2013), Effect of a Probiotic and Herbal Additives on Growth, Survival and Disease Resistance of Striped Murrel. World Aquaculture, June, 2013. 64-67.

### **2014**

6. **Bilal Ahmad Paray**, A. Jawahar Ali, Mehrajuddin War, M. S. Arun Singh (2014). Variation in the Biochemical Constituents during different Moulting stages in Green Tiger Shrimp, *Peneaus semisulcatus*. Annual Research & Review in Biology. 4(6):985-997.
7. Ajaz Ali Bhat, M. A. Haniffa, M. James Milton, **Bilal Ahmad Paray**, P.R. Divya, A. Gopalakrishnan. (2014). Genetic Variation of Striped Snakehead (*Channa striatus*, Bloch, 1793) Populations Using Random Amplified Polymorphic DNA (RAPD) markers. International Journal of Biodiversity and Conservation; 6(5), 363-372.
8. **Bilal Ahmad Paray**, M.A. Haniffa and Y. Ananth Kumar (2014). Studies on embryonic and larval development of induced bred *Channa striatus*. Eco. Env. & Cons. 20 (3): 2014; pp. (929-941). ISSN 0971-765X.

## **2015**

9. K. Umaa Rani, M. Saiyad Musthafa, Mehrajuddin War, Mohammad K. Al-Sadoon, **Bilal Ahmad Paray**, T. H. Mohamed Ahadhu Shareef, P. Mohideen Askar Nawas (2015). Impact of tributyltin on antioxidant and DNA damage response in spermatozoa of freshwater prawn *Macrobrachium rosenbergii*. Environ Sci Pollut Res. DOI 10.1007/s11356-015-5202-3. (IF: 2.828).
10. **Bilal Ahmad Paray**, Mohammad K. Al-Sadoon and M.A. Haniffa (2015). Impact of Different Feeds on Growth, Survival and Feed Conversion of Stripped Snakehead, *Channa striatus* (Bloch 1793) larvae. *Indian J. Fish.*, 62(3): 82-88. (IF: 0.22).
11. **Bilal Ahmad Paray**, Haniffa M.A, Mehraj Ud Din War, Vivek K Bajpai, Irfan Ahmad Rather (2015). Histological changes in the digestive tract of striped murrel larvae during ontogeny. Indian Journal of Geo-Marine Science; Vol. 44(7), July 1 2015, pp. 984-992. (IF: 0.32).

## **2016**

12. Mohammad K. Al-Sadoon and **Bilal Ahmad Paray** (2016). Ecological Aspects of the Horned viper, *Cerastes cerastes gasperettii* in the Central Region of Saudi Arabia. Saudi Journal of Biological Sciences: 23, 135–138. (IF: 1.781).
13. Mohamed K. Al-Sadoon, Marwa M. S. Diab, Amira A. Bauomy, Ahmed E. Abdel Moneim and **Bilal A. Paray** (2016). The Possible Effects of Melatonin in *Cerastes cerastes gasperettii* venom-mediated oxidative damage in mice. Current Science, Vol. 110, No. 8: 1505-1512. (IF: 0.926)
14. Mohammed K. Al-Sadoon; **Bilal Ahmad Paray**; Hamad Al-Otaibi (2016). Survey of the Reptilian Fauna of the Kingdom of Saudi Arabia. V. The Lizard Fauna of Turaif Region. Saudi Journal of Biological Sciences. 23, 642–648. (IF: 1.781).
15. **Bilal Ahmad Paray**, Mohammed Abdulkather Haniffa, Xavier Innocent, Rather Irfan Ahmad (2016). Effect of Feed Quality on Growth and Survival of Striped

- Snakehead, *Channa striatus* (Bloch, 1793) Hatchlings. Indian Journal of Geo-Marine Science; Vol. 45(1), January 2016, pp. 105-110. **(IF: 0.32)**.
16. **Bilal Ahmad Paray**, M.A. Haniffa and Mohammad K. Al-Sadoon (2016). Utilization of Organic Manure for Culture of Cladocerans, *Daphnia carinata*, *Ceriodaphnia carinata* and Copepod, *Thermocyclops decipiens* under laboratory conditions. Indian Journal of Geo-Marine Science; Vol. 45(3), March 2016, pp. 399-404. **(IF: 0.32)**.
  17. Mohammad Khalid Al-Sadoon; **Bilal Ahmad Paray** and Hassan A. Rudayni (2016). Diet of the Worm lizard, *Diplometopon zarudnyi* (Nikolsky, 1907) in Riyadh province, Saudi Arabia (**Reptilia: Trogonophidae**). Zoology in the Middle East. Vol. 62, No. 3, 227–230 **(IF: 0.628)**.
  18. Musthafa MS, Jawahar Ali AR, Hyder Ali AR, Mohamed MJ, War M, Naveed MS, Al-Sadoon MK, **Paray BA**, Rani KU, Arockiaraj J, Balasundaram C, Harikrishnan R, (2016). Effect of Shilajit enriched diet on immunity, antioxidants, and disease resistance in *Macrobrachium rosenbergii* (de Man) against *Aeromonas hydrophila*, Fish & Shellfish Immunology 57 (2016) 293-300. **(IF: 3.02)**.

## **2017**

19. **Bilal A. Paray** and M. K. Al-Sadoon (2017). Ultrastructure of the Dermal Chromatophores in the Fringe-toed lizard, *Acanthodactylus orientalis* (Angel, 1936). **ZOOLOGIA** 34: e11923. **(IF: 0.584)**.
20. Hassan A. Rudayni, Mohammad K. Al-Sadoon, **Bilal A. Paray** (2017). Morphological characteristics of worm lizard, *Diplometopon zarudnyi* (Squamata: Trogonophidae), in the central region of Saudi Arabia. Available online. Saudi Journal of Biological Sciences, 24, 966-971. **(IF: 1.781)**.
21. Mohammed K. Al-Sadoona; **Bilal Ahmad Paray**; Hamad Al-Otaibi (2017). Survey of the Reptilian Fauna of the Kingdom of Saudi Arabia. VI. The Snake

- Fauna of Turaif Region. Saudi Journal of Biological Sciences, 24 (2017) 925–928 (IF: 1.781).
22. M. Saiyad Musthafa, A. Athaullah, S. Anbumani, A. Jawahar Alia, Mehrajuddin War, **Bilal Ahmad Paray**, Mohammad K. Al-Sadoon, S.S. Muthiah, Palani Kembeeram, R. Harikrishnan (2017). Ameliorative efficacy of bioencapsulated Chironomous larvae with Shilajit on Zebrafish (*Danio rerio*) exposed to Ionizing radiation. Applied Radiation and Isotopes. 128 (2017) 108–113 (IF: 1.207)
  23. **Bilal Ahmad Paray**, James Milton, M. A. Haniffa, M. K. Al-Sadoon, Ajaz Ali Bhat, Irfan A. Rather (2017). Amino acid profile and growth performance of dwarf snakehead, *Channa gachua* (Hamilton, 1822) as influenced by the alternative protein blends. Indian J Geo-marine Sciences. Vol. 46(7), July 2017, pp. 1358-1364. (IF: 0.32).
  24. Mohamed Saiyad Musthafa, Abdul Rahman Jawahar Ali, Meenatchi Sundaram Arun Kumar, **Bilal Ahmad Paray**, Mohammad K. Al-Sadoon, Chellam Balasundaram, Ramasamy Harikrishnan. (2017). Effect of Cucurbita mixta (L.) seed meal enrichment diet on growth, immune response and disease resistance in *Oreochromis mossambicus*. Fish & Shellfish Immunology 68 (2017) 509-515. (IF: 3.148).
  25. Huda I Al Mohammed, **Bilal A Paray** and Irfan A Rather. (2017). Anticancer activity of EA1 extracted from *Equisetum arvense*. Accepted in Pakistan Journal of Pharmaceutical Sciences. (IF: 0.649)

### Communicated Papers:

1. Mohammad K. Al-Sadoon, Hassan Ahmed Rudayni, **Bilal Ahmad Paray** (2015). Metabolism of the spade-Headed Amphisbaenian worm Lizard, *Diplometopon zarudnyi* (Squamata, Amphisbaenia). (Communicated to Indian J of Experimental Biology).
2. M S Musthafa, Mehrajuddin War, M Madhani Abdul Jaleel, M. K. Al-Sadoon, **Bilal A. Paray**. (2016). Exemplary efficacy of azomite enriched diet on sex

steroid hormone levels and milt quality in *Oreochromis mossambicus*.  
(Communicated to Animal Reproduction Science).

### **Awards:**

- Best student of PG Zoology for the year 2005-06 conducted by Zoological Society, The New College, Chennai – 14.
- Awarded with “Certificate of Proficiency” by The New College, Chennai for academic year 2005-06
- First position in intercollegiate debate for Darwin Rolling Shield for the year 2005-06 conducted by Zoological Society, The New College, Chennai – 14.
- Declared “Inmate of Distinction” for outstanding performance by The New College Hostel, Chennai– 14.

### **Computer Skills:**

- One year Advanced Diploma in Computer Applications from Indian Institute of Computer Application (IICE).
- Expertise in packages like MS Office, Front Page, SPSSR etc.
- Internet Surfing, Searching Skills.
- Well understanding of Operating System like Windows 98/2000/XP/Vista/windows.

## References:

**Dr. M. A. Haniffa,**

UGC Emeritus Scientist and Director, Centre for Aquaculture Research and Extension (CARE), St. Xavier's College,  
Palayamkottai, Tirunelveli- 627 002, Tamilnadu India.  
Mob: +91 9443157415; Email: [haniffacare@gmail.com](mailto:haniffacare@gmail.com)

**Dr. A. K. Sahu,**

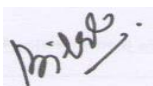
Principal Scientist & HOD APED  
Central Institute of Freshwater Aquaculture (CIFA), Kausalyaganga  
Bhubaneswar-751002.  
Mob: +919437074618; Email: [ashoksahu7@rediffmail.com](mailto:ashoksahu7@rediffmail.com)

**Dr. Parvaiz Ahmad**

Senior Assistant Professor  
Department of Botany  
S.P. College, Maulana Azad Road,  
Srinagar-190001, Jammu and Kashmir, India  
Phone: +91-9858376669 (M)  
Email: [parvaizbot@yahoo.com](mailto:parvaizbot@yahoo.com); [parvaizbot@rediffmail.com](mailto:parvaizbot@rediffmail.com),

## DECLARATION:

I hereby declare that the above information given by me is correct and true to the best of my knowledge.



**Yours sincerely**

**(BILAL AHMAD PARAY)**

**Place: Riyadh**