



National Bureau of Fish Genetic Resources

(Indian Council of Agricultural Research)

Canal Ring Road, Dilkusha PO, Lucknow-226002, India



Name	Dr. Rehana Abidi	
Designation	Principal Scientist	
Date of birth	15-08-1956	
Professional experience	24 years	
Qualification	M.Sc. in Zoology with specialization in Fish and Fisheries Ph. D. in Zoology	
Current area of Research	Fish Parasitology, Exotic Fishes, Molecular Disease Diagnostics	
Area of Research Expertise	<ul style="list-style-type: none">• Fish Pathology particularly parasitology.• Molecular Diagnostic Assays development for fish parasites.• Development of RDBMS (Databases).• Policy, guidelines and strategies related to Live exotic aquatic animals introduction, Risk analysis, Quarantine and germplasm exchange.• Pathogenic fauna of ornamental fishes.• Effects of pollution on fish (Histopathology, Hematology, metabolism)• Studies related to Epizootic Ulcerative Syndrome in freshwater fishes.• Development of DNA based Assays for some OIE listed diseases.	
Awards/ Recognitions	<ul style="list-style-type: none">• Conferred with the Fellow of Academy of Environmental Biology, Lucknow in 2007.• Conferred with the Fellow of Academy of Sciences for Animal Welfare, (FASc, AW), India in 2004.• Member of 'National Task Force' for 'Fish and Shellfish Health Management' constituted by DDG (Fisheries), ICAR, New Delhi on 17th June, 2003.• First Prize in Hindi 'Debate' Competition at NBFGR, Lucknow in 2000.• First Prize in Hindi Essay Competition at CMRS (CSIR) Dhanbad in 1992• Second Prize and Cash Award in Hindi 'Debate' Competition at NBFGR, Lucknow in 2001.• Second Prize and Cash Award in Hindi 'Poetry' Competition at NBFGR in 2001.• Second Prize and Cash Award in Hindi 'Poetry' Competition at NBFGR, Lucknow in 2000.	

- Second Prize and Cash Award in 'Hindi Gyan' Competition at NBFGR in yr.2000.
- Second Prize & Cash Award of Rs. 1000/- in Hindi Speech Competition organized by 'Aashirwad', A Famous Literary Organization of Mumbai in 1993.
- Third Prize & Cash Award of Rs. 500/- in Hindi Speech Competition organized by 'Aashirwad', A Famous Literary Organization of Mumbai in 1994.

• Publication (no.)	
• Research papers	25
• Reviews	Nil
• Books	5
• Book Chapters	2
• Popular articles	11
• Others	17

Important Research Publications

Abidi R (1990) Effect of Endosulfan on blood urea of *Channa punctatus* Bloch. Nat Acad. Sci. Letters, **13 (2)**, 1990: 73-76.

Abidi R (1990) Endosulfan induced changes in the total serum proteins of *Channa punctatus* (Bioch.). Biol. Fisiol. Anim. Sao Paalo, **14**: 41-48.

Abidi R and U.S. Srivastava (1988) Effect of Endosulfan on certain aspects of haematology of the fish *Channa punctatus* (Bloch). Proc. Nat. Acad. Sci. India, **58 (B)**, I, 1988: 55-65.

Srivastava U.S., Jaiswal A.K. and **Abidi R** (1985) Juvenoid activity in extracts of certain plants. Current Science, June 20, 1985, **54 (12)** : 576-578.

Abidi R (2003) Use of probiotics in larval rearing of new candidate species. Aquaculture Asia, **8 (2)** April-June 2003: 15-16.

Abbas M and **Abidi R** (2003) Microarray-Based Proteomics: Opportunities and Challenges. Drugs & Pharmaceuticals - Current R & D Highlights **26 (4)** Oct.-Dec. 2003: 8-10.

Abidi R (2003) Machliyon me Tikakaran. Krishi Chayanika, July-Sept. 2003: 11-14.

Mahanta P C, **Abidi R** and D. Kapoor (2003) Impact of introduction of exotic and genetically manipulated fishes in Indian reservoirs. Proc. NATP Workshop on 'Fisheries management in the lentic water system: Stocking of reservoirs with fish seed', Feb.19-20, 2003, Publ. CIFRI, Barrackpore, Kolkata. : 74-88.

Swaminathan T R, Rathore G, **Abidi R** and Kapoor D (2004) Detection of *Aeromonas hydrophila* by Polymerase chain reaction. Indian Journal of Fisheries, **51 (2)**: 251-254.

Rathore G, Swaminathan R, **Abidi R**, Mahanta P C & Kapoor D (2005). Isolation of motile aeromonads from aquatic environment. Indian Journal of Fisheries, **52 (2)**: 241-248.

Rathore G, Swaminathan T R, Sood N, **Abidi R** and Kapoor D (2006). Affinity purification and

partial characterization of IgM like immunoglobulins of African catfish, *Clarias gariepinus*. Indian Journal of Experimental Biology, 44:1018-1021.

Swaminathan T R, Rathore G, Sood N, **Abidi R** and Lakra W S (2007). *Vibrio cholerae* Non-O1 and Non-O139 serogroup isolated from ornamental fish in India. Indian Vet. Journal, **84**: 1023 -1025.

Sood N, Rathore G, Swaminathan T R, **Abidi R**, Mishra B N and Lakra W S (2007). Isolation and characterization of serum immunoglobulin of *Cyprinus carpio*. Indian J. Animal Sci., **77**: 127-130

Rathore G, Kumar G, Swaminathan T R, Sood N, Singh V, **Abidi R** and Lakra W S (2007). A continuous cell culture from *Labeo rohita* (Ham.). Indian J. Fish. **54**: 34-37.

Swaminathan T R, Sood N, Rathore G, **Abidi R** and Lakra W S (2009) PCR Cloning and Partial Sequencing of *rtxA* Gene of non-O1 / non-O139 *Vibrio cholerae* Isolated from Gold Fish *Carassius auratus* in India. Asian Fisheries Science **22**: 707-712