



Dr. Shailesh Saurabh

Scientist

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Department	Aquaculture Production and Environment Division
Institute/ University	Central Institute of Freshwater Aquaculture (<i>Indian Council of Agricultural Research</i>)
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Date of Birth	19 December, 1975
Sex	Male

Academic Qualifications

1.	Ph.D. (2010) in Aquaculture from Central Institute of Fisheries Education, Mumbai, India.
2.	M.F.Sc. (2004) in Aquaculture from Central Institute of Fisheries Education, Mumbai, India.
3.	B.F.Sc. (2002) in Fish and Fisheries Science from Assam Agricultural University, Jorhat, Assam, India.

Academic Awards	<ul style="list-style-type: none"> • Jawaharlal Nehru Award for outstanding doctoral thesis research in Agricultural and Allied Sciences 2011(Fisheries Sciences) by ICAR, New Delhi with Gold Medal, Certificate, Citation and a cash award of Rs. 50,000 received on 16 July 2012 at NASC complex, New Delhi. • Prof. K. H. Alikunhi Gold medal for best Ph.D. thesis work in Fisheries and Allied Sciences in the year 2011 by CIFE, Mumbai with Certificate and Citation received on 14 January, 2012. • Dr. I. Karunasagar Award for the best Indian Ph.D. thesis for the year 2011 by Professional Fisheries Graduates Forum, Mumbai with Certificate and Citation received on 22 December 2011 during 9th India Fisheries Forum held at Chennai. • Dr. Hiralal Chaudhuri Gold Medal India for securing the first position in the M.F.Sc. programme of Freshwater Aquaculture of the academic year 2002-2004 at the convocation held on 18 January 2005 at CIFE, Mumbai. • CIFE Institutional Fellowship to pursue Ph.D. • CIFE Institutional Fellowship to pursue M. F. Sc. • AAU merit scholarship to pursue B.F.Sc
Research Experiences	<ul style="list-style-type: none"> • Aquaculture • Fish Immunology • Fish Parasites • Peninsular Carps Breeding and Culture • Ornamental Fish Breeding and Culture
Current Research Interests	<ul style="list-style-type: none"> • Freshwater Pearl Culture and Breeding • Immunology of Freshwater Pearl Species
Current Research Projects	<ol style="list-style-type: none"> 1. Aquaculture of peninsular medium carps and ornamental fishes. 2. Development of breeding protocols and larval rearing of indigenous species <i>Puntius filamentosus</i> and <i>Puntius denisonii</i>.

Publications		
A.	Review Papers	<ol style="list-style-type: none"> 1. Saurabh, S. and Sahoo, P. K. (2008). Lysozyme: an important defence molecule of fish innate immune system. <i>Aqua. Res.</i>, 39: 223-239. 2. Saurabh, S. and Sahoo, P. K. (2008). Major diseases and defence mechanism of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> (de Man) - a review. <i>Proc. Nat. Acad. Sci. India, Sec B</i>, 78: 103-121.
B.	Research Papers	<ol style="list-style-type: none"> 1. Saurabh, S., Mohanty, J., Garnayak, S.K. and Sahoo, P.K. (2012). Identification of immunodominant polypeptides of the freshwater fish lice <i>Argulus siamensis</i> (Wilson) – preliminary findings. <i>Indian J. Fish.</i>, 59 (1): 103-106. 2. Saurabh, S., Mohanty, B.R. and Sahoo, P.K. (2011). Expression of immune-related genes in rohu <i>Labeo rohita</i> (Hamilton) by experimental freshwater lice <i>Argulus siamensis</i> (Wilson) infection. <i>Vet. Parasitol.</i>, 175:119-128. 3. Saurabh, S., Sahoo, P.K., Mohanty, B.R., Mohanty, J., Jena, J.K., Mukherjee, S.C. and Sarangi, N. (2010). Modulation of the innate immune response of rohu <i>Labeo rohita</i> (Hamilton) by experimental freshwater lice <i>Argulus siamensis</i> (Wilson) infection. <i>Aqua Res.</i>, 41: e326-e335. 4. Saurabh, S. and Sahoo, P.K. (2010). Non-specific immune responses of the Indian major carp <i>Labeo rohita</i> Hamilton to infestation by the freshwater fish louse <i>Argulus siamensis</i> (Wilson). <i>Indian J. Fish.</i>, 57 (2): 45-53. 5. Swain, P., Dash, S., Bal, J., Routray, P., Sahoo, P. K., Sahoo, S. K., Saurabh, S. and Gupta, S. D. (2006). Passive transfer of maternal antibodies and their existence in eggs, larvae and fry of Indian major carp, <i>Labeo rohita</i> (Ham.). <i>Fish Shellfish Immunol.</i>, 20: 519-527.
C.	Chapters in book/ Training manuals	<p>i. In English</p> <ol style="list-style-type: none"> 1) Hemaprasanth, Sridhar, N., Saurabh S. and Raghuanth, M.R. (2010). Fish Stress, disease and health management. In: M.Karthikeyan and Preetha Panikkar (Eds.). Reservoir Fisheries Management. Central Inland Fisheries research Institute, Barrackpore, West Bengal. pp. 111-129.

		<ol style="list-style-type: none"> 2) Saurabh, S. and Sahoo, P. K. (2009). Innate immunity in fish with special reference to zebrafish. In: Short course on 'Recent Advances in Ornamental Fish Breeding and Culture' held at CIFA, Bhubaneswar, India, from 12-21 January 2009, pp. 110-116. 3) Swain, S. K. and Saurabh, S. (2009). Breeding of ornamental fish with special reference to live bearer species. In: Short course on 'Recent Advances in Ornamental Fish Breeding and Culture' held at CIFA, Bhubaneswar, India, from 12-21 January 2009, pp. 36-39. 4) Sahoo, P.K., Saurabh, S. and Das, A. (2008). Disease management in freshwater prawn seed rearing and farming. In: Summer school on 'Recent Trends in Seed Production of Freshwater Finfishes and Shellfishes' held at CIFA, Bhubaneswar, India, from 18th-10th March 2008, pp. 111-122. 5) Sahoo, P. K. and Saurabh, S. (2008). Immune response to parasitic pathogens in fish. In: Winter school on Recent Advances in Fish and Shellfish Immunology, and its Application held at CIFA, Bhubaneswar, India, pp.70-74.
		<p>ii. In Hindi</p> <ol style="list-style-type: none"> 1) Saurabh, S. and Sahoo, P.K. (2010). MahaJhinga Kee Parmukh Bimariyan abum Sawasthya Parbhandhan. In: Nilitema (CIFA Silver Jubilee Special 2011), CIFA, Bhubaneswar, India, Vol. 7, pp. 60-63. 2) Swain, S.K., Singh, S.K. and Saurabh, S. (2010). Rangeen Matysa Palan-Mahila Maitree Udham. In: Nilitema (CIFA Silver Jubilee Special 2011), CIFA, Bhubaneswar, India, Vol. 7, pp. 32-37. 3) Saurabh, S. (2008). Machliyon kee Pramukha Beemariyan Tatha Unka Upchar (In Hindi). In: Krishi Prabandhan Ke Naye Aayam, NAARM, Hyderabad, India, pp. 92-100.
<p>D.</p>	<p>Popular Articles</p>	<ol style="list-style-type: none"> 1. Saurabh, S., Choudhary, B. K. and Mohanta, K. N. (2009). Gene transfer technology and production of transgenic fish: recent developments. <i>Fishing Chimes</i> 29 (3): 15-23. 2. Mohanta, K. N., Subramanian, S., Komarpant, N. and Saurabh, S. (2008). Alternate carp species for diversification in freshwater aquaculture in India. <i>Aquaculture Asia</i> 13(1): 11-15.

Computer Skills

- Statistical software: SAS, SPSS
- Video editing
- Image Editing: Photoshop
- MS Office Applications: Microsoft Word, Power Point, Excel
- Internet Surfing



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