



## Dr. Shailesh Saurabh

Scientist

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

### Academic Qualifications

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

<b>Academic Awards</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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 9<sup>th</sup> India Fisheries Forum held at Chennai.</li> <li>• 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.</li> <li>• CIFE Institutional Fellowship to pursue Ph.D.</li> <li>• CIFE Institutional Fellowship to pursue M. F. Sc.</li> <li>• AAU merit scholarship to pursue B.F.Sc</li> </ul>
<b>Research Experiences</b>	<ul style="list-style-type: none"> <li>• Aquaculture</li> <li>• Fish Immunology</li> <li>• Fish Parasites</li> <li>• Peninsular Carps Breeding and Culture</li> <li>• Ornamental Fish Breeding and Culture</li> </ul>
<b>Current Research Interests</b>	<ul style="list-style-type: none"> <li>• Freshwater Pearl Culture and Breeding</li> <li>• Immunology of Freshwater Pearl Species</li> </ul>
<b>Current Research Projects</b>	<ol style="list-style-type: none"> <li>1. Aquaculture of peninsular medium carps and ornamental fishes.</li> <li>2. Development of breeding protocols and larval rearing of indigenous species <i>Puntius filamentosus</i> and <i>Puntius denisonii</i>.</li> </ol>

<b>Publications</b>		
<b>A.</b>	<b>Review Papers</b>	<ol style="list-style-type: none"> <li>1. <b>Saurabh, S.</b> and Sahoo, P. K. (2008). Lysozyme: an important defence molecule of fish innate immune system. <i>Aqua. Res.</i>, <b>39</b>: 223-239.</li> <li>2. <b>Saurabh, S.</b> 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>, <b>78</b>: 103-121.</li> </ol>
<b>B.</b>	<b>Research Papers</b>	<ol style="list-style-type: none"> <li>1. <b>Saurabh, S.</b>, 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>, <b>59</b> (1): 103-106.</li> <li>2. <b>Saurabh, S.</b>, 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>, <b>175</b>:119-128.</li> <li>3. <b>Saurabh, S.</b>, 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>, <b>41</b>: e326-e335.</li> <li>4. <b>Saurabh, S.</b> 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>, <b>57</b> (2): 45-53.</li> <li>5. Swain, P., Dash, S., Bal, J., Routray, P., Sahoo, P. K., Sahoo, S. K., <b>Saurabh, S.</b> 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>, <b>20</b>: 519-527.</li> </ol>
<b>C.</b>	<b>Chapters in book/ Training manuals</b>	<p><b>i. In English</b></p> <ol style="list-style-type: none"> <li>1) Hemaprasanth, Sridhar, N., <b>Saurabh S.</b> 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.</li> </ol>

		<ol style="list-style-type: none"> <li>2) <b>Saurabh, S.</b> 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.</li> <li>3) Swain, S. K. and <b>Saurabh, S.</b> (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.</li> <li>4) Sahoo, P.K., <b>Saurabh, S.</b> 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 18<sup>th</sup>-10<sup>th</sup> March 2008, pp. 111-122.</li> <li>5) Sahoo, P. K. and <b>Saurabh, S.</b> (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.</li> </ol>
		<p><b>ii. In Hindi</b></p> <ol style="list-style-type: none"> <li>1) <b>Saurabh, S.</b> 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.</li> <li>2) Swain, S.K., Singh, S.K. and <b>Saurabh, S.</b> (2010). Rangeen Matysa Palan-Mahila Maitree Udham. In: Nilitema (CIFA Silver Jubilee Special 2011), CIFA, Bhubaneswar, India, Vol. 7, pp. 32-37.</li> <li>3) <b>Saurabh, S.</b> (2008). Machliyon kee Pramukha Beemariyan Tatha Unka Upchar (In Hindi). In: Krishi Prabandhan Ke Naye Aayam, NAARM, Hyderabad, India, pp. 92-100.</li> </ol>
<p><b>D.</b></p>	<p><b>Popular Articles</b></p>	<ol style="list-style-type: none"> <li>1. <b>Saurabh, S.</b>, Choudhary, B. K. and Mohanta, K. N. (2009). Gene transfer technology and production of transgenic fish: recent developments. <i>Fishing Chimes</i> <b>29 (3):</b> 15-23.</li> <li>2. Mohanta, K. N., Subramanian, S., Komarpant, N. and <b>Saurabh, S.</b> (2008). Alternate carp species for diversification in freshwater aquaculture in India. <i>Aquaculture Asia</i> 13(1): 11-15.</li> </ol>

## Computer Skills

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

