

Sakti Kanta Rath

Academic Qualification	M.Sc 2002-2004	Biotechnology P.G.Department of Biotechnology,	Percentage:-78.83% Utkal University
	B.Sc 1999-2002	Botany Hons. (Dist) B.J.B.(Auto) College, Utkal University,	Percentage:- 76.75% Bhubaneswar
	12 th 1997-1999	Council Of Higher Secondary Education College of Basic Science and Humanities,	Percentage:-73.00% O.U.A.T
	10 th 1997	Central Board Of Secondary Education, Buxi Jagabandhu English Medium School,	Percentage:-82.60% Bhubaneswar

Fellowships Awarded

Qualified **CSIR-UGC NET in LIFE SCIENCES** under the “LECTURESHIP-CATEGORY” held in December-2005.

Awarded **DBT (Dept. Of Biotechnology) JRF** eligibility certificate by selection committee for DBT-JRF for PhD in July 2004. Eligible for appointment as JRF in any research project/ scheme funded by DBT and other Govt. agencies.

Papers Published

S.K.Rath, J.K.Patra, N.Mohapatra, G.Mohanty, S.K.Dutta and H.N.Thatoi. “In vitro antibacterial and antioxidant studies of *Croton roxburghii* L., from Similipal Biosphere Reserve”. Indian Journal of Microbiology. (Accepted for publication on 4.4.10)

S.K.Rath, N.Mohapatra, D.Dubey, S.K.Panda, H.N.Thatoi and S.K.Dutta. “Antimicrobial activity of *Diospyros melanoxylon* bark from Similipal Biosphere Reserve, Orissa, India. African Journal of Biotechnology, Vol.8 (9), 1924-1928, 2009.

J.K.Patra, A.D.Mohapatra, **S.K.Rath**, N.K.Dhal and H.N.Thatoi. “Screening of antioxidant and antifilarial activity of leaf extracts of *Excoecaria agallocha* L.” International Journal of Integrative Biology, Vol.7 (1),9-15,2009.

J.K.Patra, T.K.Panigrahi, **S.K.Rath**, N.K.Dhal and H.N.Thatoi. “Phytochemical screening and antimicrobial assessment of leaf extracts of *Excoecaria agallocha* L.: A mangal species of Bhitarkanika, Orissa, India”. Advances in Natural and Applied Sciences, Vol. 3(2):241-246, 2009.

H.N.Thatoi, S.K.Panda, **S.K.Rath** and S.K.Dutta. “Antimicrobial activity and ethnomedicinal uses of some medicinal plants from Similipal Biosphere Reserve, Orissa”. Asian Journal of Plant Sciences, Vol.7 (3), 260-267, 2008.

J.K.Patra, **S.K.Rath**, K.Jena, V.K.Rathod, H.N.Thatoi. “Evaluation of Antioxidant and Antimicrobial activity of Seaweed (*Sargassum* sp.) Extract: A case study on inhibition of Glutathione-S-Transferase activity”. Turkish Journal of Biology, Vol.32, 119-125, 2008.

H.N.Thatoi, S.K.Panda, **S.K.Rath** and S.K.Dutta. “Some potential plants of antimicrobial and anticarcinogenic value from Similipal Biosphere Reserve”. Similipal Biosphere Reserve. Vol.2 (1&2),9-13, 2007.

T.K.Mohanta, J.K.Patra, **S.K.Rath**, D.K.Pal and H.N.Thatoi, "Evaluation of antimicrobial activity and phytochemical screening of oils and nuts of *Semicarpus anacardium* L.f", Scientific Research and Essay, Vol.2 (11). 486-490, November 2007.

Abstracts published

S.K.Rath, H.N.Thatoi and S.K.Dutta. 2007. "In vitro Antibacterial activity of some medicinal plants from Similipal Biosphere Reserve, Orissa". Orissa Botanical Society. December-2007. analysis of *Semicarpus anacardium* Lf. nut extracts" TechSUNR, February-2007

J.K.Patra, **S.K.Rath**, K.Jena, V.K.Rathod and H.N.Thatoi, 2006. "Free radical Scavenging capacity and Protective effect of *Sargassum tenerrimum* (A.) on DNA damage". 7th Asia Pacific marine Biotechnology Conference, November-2006, Kochi

J.K.Patra, **S.K.Rath**, K.Jena, V.K.Rathod and H.N.Thatoi, 2006. "Screening of Antioxidant and Antimicrobial activities of marine alga *Sargassum tenerrimum* (A.). National Seminar on Emerging trends in Plant Sciences: Morphology to Biotechnology. October- 2006.

Project work undertaken

Project entitled " **Evaluation of molecular markers in breast cancer prognosis**" under "Biotech Industrial Training Programme 2004-05" sponsored by **Department of Biotechnology, Govt. of India** and organized by Biotech Consortium India Ltd. at SRL Ranbaxy Ltd., Mumbai.

M.Sc. Dissertation entitled "**In Vitro Selection of Glutathione Binding Aptamers**" completed under the guidance of Prof. Pramod Yadav, Applied Molecular Biology Laboratory, School of Life Science, J.N.U; New Delhi.

Trainings undergone

National Workshop Cum Training Programme on **Application Of Bioinformatics And Statistics In Aquaculture**, Central Institute of Fresh Water Aquaculture, Bhubaneswar.

Training Course on "**Fermentation Technology**" at The Regional Centre, Central Tuber Crops Research Institute, (ICAR) Bhubaneswar.

Training Course on "**Plant Tissue Culture And Micropropagation**" at The Regional Centre, Central Tuber Crops Research Institute, (ICAR) Bhubaneswar.

seminars and workshops attended

National workshop on "Basic Tools And Techniques In Bioinformatics And Biotechnology", North Orissa University, 21-22 March, 2009.

AICTE sponsored National Seminar on Biodiesel. CV Raman college of Engeneering.2-3 December 2007.

European Molecular Biology organization (EMBO) workshop '06 "Developmental Mechanisms and Disease Models". 16th to 20th December-2006, IIT Kanpur.

National Seminar on Emerging trends in Plant Sciences: Morphology to Biotechnology. October- 2006.Ravenshaw College, Cuttack.

Centre for Similipal Biosphere Reserve studies and National Workshop on Similipal Biosphere Reserve: Interdisciplinary Perspectives, September-2006. North Orissa University, Bariipada

International Brain Research Organization (IBRO). 3rd Associate school of Neuroscien September 13-17. 2004. Cochin, India

Literary/Articles

S.K.Rath. Bioterrorism. Emerging Science. Vol.I (8). 23-26, January, 2010.

S.K.Rath. DNA Double helix- The Untold Story. Emerging Science.Vol.II (1). 21-22, July, 2009.

S.K.Rath. Louis Pasteur- A Legendary Scientist. Banani. North Orissa University. 83-85. 2007

S.K.Rath. Male preganancy. Vigyan Tarang. Vol.16(1). 30.Sep.2004.