

Curriculum vitae

Name: Dr. (Mrs.) Luna Samanta

Date of Birth: 4th February, 1970

Address:

Official: Reader in Zoology, Ravenshaw University, Cuttack, India

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Academic qualifications:

- H.S.C., Board of Secondary Education, Orissa, 1984, First Division.
- +2 Science Council of Higher Secondary Education, Orissa, First Division.
- Graduation (Zoology Honours), Utkal University, 1989, First Class (Honours) with Distinction.
- M.Sc. (Zoology, Cytogenetics special paper), Utkal University, 1991, First Class.
- M.Phil. (Zoology, Biochemistry Intensive paper) dissertation entitled, "Linden-induced lipid peroxidation in chick liver", Utkal University, 1993.
- Ph.D. (Zoology) dissertation entitled, "Effect of hexachlorocyclohexane on rat testicular enzymes of active oxygen metabolism as a function of age", Utkal University, 1999.

Awards

- **Young Scientist Award** for the year 1997 by Orissa Vigyan Academy, Department of Science and Technology, Government of Orissa.
- **ISCA Young Scientist Award** in the 90th Indian Science Congress, January 3-7, 2003 by Indian Science Congress Association in the section Animal, Veterinary & Fisheries Sciences.
- **K.K. Nair Prize for outstanding Research Publications** for the year 1999, University of Kerala.

Scholarship/Fellowships

1. National Rural Talent Search Scholarship (1981-84)
2. National Scholarship H.S.C. Level (1984-1986)
3. National Merit Scholarship to study M.Sc. (1989-91)
4. Junior Research Fellowship (1992-95), University Grants Commission, India.
5. Senior Research Fellowship (1996-1998), Council of Scientific and Industrial Research, India.
6. Senior Research Fellowship (Extended) (1999-2000), Council of Scientific and Industrial Research, India.
7. Research Associateship (2000-2004), Council of Scientific and Industrial Research, India.

Professional Experience

- **Research:** 11 years (Hormonal regulation of Active oxygen metabolism & Bioactive compounds)
- **Teaching:** 5 years (Biochemistry & Molecular Biology)
- **Research guidance:** Ph.D Submitted -1, Working - 3

Research Projects undertaken

- “Screening, Isolation and characterization of commercially important antioxidant compounds and marketable agar from seaweeds of Chilika lake”, Science and Technology Department, Govt. of Orissa, Three years (1st April, 2007 – 31st March, 2010).
- “Studies on burrowing animals (rats) in and around tailing ponds of Jadugada uranium mines”. BRNS, Department of Atomic Energy, Government of India Bhaba Atomic Research Centre (BARC), Trombay, Mumbai (Sanctioned)

PUBLICATIONS (Last five years)

1. Chattopadhyaya S, Sahoo DK, Roy A, **Samanta L** and Chainy GBN (2010) Thiol redox status critically influences mitochondrial response in thyroid hormone-induced hepatic oxidative injury: A temporal analysis. *Cell Biochem. Func.* 27: 1-9.
2. **Samanta Luna**, Jogamaya Panigrahi, Shravani Bhanja and Gagan B.N. Chainy (2010) Effect of turmeric and its active principle curcumin on t3 -induced oxidative stress and hyperplasia in rat kidney: A comparison. *Indian J Clin. Biochem* (In Press).
3. **Samanta Luna** and Chainy GBN (2009) Biology of aging. In: Behavioural Concepts in ageing (Sahoo FM ed) Concepts Publishing Company Pvt. Ltd, New Delhi, pp 1-14.
4. Chainy GBN, Choudhury BK and **Samanta Luna** (2006) Environmental studies. Directorate of Distance and Continuing Education, Utkal University, Bhubaneswar. (Book)
5. **Samanta Luna** and Chainy GBN (2004) Hexachlorocyclohexane-induced oxidative stress: A mechanism for HCH mediated testicular toxicity. In: Current issues in environmental and fish biology (Bhattacharya S and Maitra SK eds.), Daya Publishing House, Delhi, pp 64-90.