

Curriculum Vitae of Dr. Sabita Nayak

Sabita Nayak (Ph.D)
Lecturer in Chemistry
Ravenshaw University, Cuttack
Orissa
Cell no-09692155759
Email: Sabitanayak@yahoo.co.in
Sabitanayak18@gmail.com

Permanent Address:

At- Krushnachandrapur
Po-Nimol
Dist-Jagatsinghpur
Orissa
Pin-754138

Research Area

Natural Products Synthesis
Carbohydrate Chemistry
Development of New Synthetic Methodology
Organomaterial chemistry
Drug Design, synthesis and Discovery

EXPERIENCE

- 2010 Jan-march **Postdoctoral Research Associate**, Department of Nuclear Medicine and Developmental & Molecular biology, **Albert Einstein College of Medicine**, New York, USA
Supervisor: Prof Bhaskar C. Das
- 2009-2010 **Postdoctoral research assistant**, Department of Biochemistry, **University of Texas Southwestern Medical Center**, Dallas, TX, USA
Supervisor: Prof John Falck
- 2008-2009 **Research Associate**, Drug Discovery Division, **Chembiotec-pharma Limited**, Pune, India.
- 2008-2002 **Ph.D.** in Organic Chemistry, **National Chemical Laboratory**, Pune.
Supervisor: Dr. Mukund.K.Gurjar
Thesis entitled “**synthetic studies toward Eunicin, Palau’amide and Asimitrin**”

Award, Honor and Participation in Poster presentation

- Received **Senior Research Fellowship** from Council of Scientific and Industrial Research (CSIR), New Delhi, March 2004 - 2007
- Received **Junior Research Fellowship** from Council of Scientific and Industrial Research (CSIR), New Delhi, March 2002 – 2004
- **Best poster award** in National Chemical laboratory **research foundation day 2005** topic entitled “**Synthetic Studies toward Tricyclic Cembranoids: A modular approach for construction of the tricyclic framework of Eunicin**”
- Participated in the **2nd international conference** in organic synthesis and process chemistry at Indian institute of chemical technology Hyderabad from April 1-3, 2005 (India).
- Participated in the **international conference on organic synthesis and chemical biology** at National chemical laboratory pune, 2006.

TECHNICAL EXPERIENCE

Proficient with spectral interpretation of organic molecules using NMR, FT-IR, LC-MS, GC-MS and HPLC. Used databases like SciFinder, Beilstein.

EDUCATION

2002-2007 Ph.D. in Organic Chemistry, National Chemical Laboratory, Pune.

Research Supervisor: **Dr M.K. Gurjar**, Division of Organic Chemistry

Thesis entitled "Synthetic studies toward Eunicin, Palauamide and Asimitrin"

2000-2001 M.Phil in Organic Chemistry, Advisor: Prof.D.Bhatta, Utkal University, Bhubaneswar, Orissa, India. **Thesis entitled "Synthesis of Heterocyclic Compounds"**

1999-2000 B.Ed in Utkal University, Bhubaneswar, Orissa

1997 M.Sc in Chemistry, Ravenshaw Auto College, Cuttack, Orissa (Specialization in Organic Chemistry)

1992-1995 B.Sc Chemistry (Nayagarh College), Nayagarh, Orissa, Utkal University

PUBLICATIONS

1. Synthetic Studies toward Tricyclic Cembranoids: A modular approach for the construction of the tricyclic frame work of Eunicin": Gurjar, M. K.; **Nayak, S**; Ramana C.V. *Tetrahedron Letters* **2005**, **46**, **1881-1884**

2. Double intramolecular oxymmercuration: the first stereoselective synthesis of C10-C34 segment of Asimitrin: Mohapatra D. K.; **Nayak S.**; Mohapatra S.; Chorghade M.S. and Gurjar M. K. *Tetrahedron Letter* **2007**, **48**, **5197-5200**

3. Stereoselective synthesis of C-28 to C-33 Fragment of Palau' amide: **Nayak, S.** ; Mohapatra D. K. *Tetrahedron Letter*, **2008**, **49**, **786-789**.

4. Synthesis of function Oriented 2-Phenyl-2H-chromene Derivatives using Organocatalyst (L-Pipecolinic acids and substituted guanidines): Das, B.C.; **Mohapatra S.**; Campbell P.D.; Nayak, S.; Mahalingam, S.M.; Evans T. *Tetrahedron Letter* **2010**, **51**, **2567-2570**