

# Curriculum Vitae

Close-up  
photograph  
(Optional)

Name: Dr. Sabita Nayak

Designation: Lecturer  
Subject: Chemistry

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**Professional Experience:** Lecturer in Ravenshaw University from March-2010

## Education:

(Starting with Bachelors up-to the highest qualification)

Sl. No.	Degree	University	Year	Subject	Division & Percentage
1.	B.Sc (+ 3 Sci, Chem Hons)	Utkal university, Vanivihar, Bhubaneswar, Orissa	1995	Chemistry, phy, Math	1 <sup>st</sup> division with Distinction  72.5% (in Hons)
2.	M.Sc	Ravenshaw auto college, Cuttack, Orissa	1997	Organic chemistry	1 <sup>st</sup> division  75.7%
3.	B.Ed	Utkal university, BBSR, Orissa	1999	Education, science, soc science	2 <sup>nd</sup> division  59.78%
4.	M.phil	Utkal university, BBSR, orissa	2000	Chemistry	1 <sup>st</sup> division
5.	Ph.D	National chemical laboratory, Pune (Pune university) Maharashtra	2002- 2008	Synthetic organic chemistry	-----
6.	PDF	University of Texas, Southwestern medical center, Dallas	2009- 2010	Development of new methodology using organostannane	

**Area (s) of specialization:** 1. Natural product synthesis

2. Development of new methodology

3. Nanomaterial based organic synthesis

4. Carbohydrate based synthesis

5. Asymmetric synthesis

## Publications:

1. Books: (Five maximum with ISBN Number, Publication House, Year, Place) no
2. Research Papers in Peer Reviewed Journals: (Ten most significant and recent publications with ISSN Numbers)

### LIST OF 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, ISSN No 0040-4039**
2. Double intramolecular oxymercuration: 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, ISSN No 0040-4039**
3. Stereoselective synthesis of C-28 to C-33 Fragment of Palau’ amide: Mohapatra D. K., **Nayak, S.** *Tetrahedron Letter*, **2008, 49, 786-789 ISSN No 0040-4039.**
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, ISSN No 0040-4039.**
5. One-Pot Stereoselective Double Intramolecular Oxymercuration: Synthesis of Four Isomers of an Unsymmetrical Bis-Tetrahydrofuran Ring System: Mohapatra, D.K; Naidu, P. R; Reddy, D. S; **Nayak, S** ; Mohapatra, S: *European Journal of Organic Chemistry* **2010, 32, 6263-6268, ISSN (printed): 1434-193X. ISSN (electronic): 1099-0690**
6. Design and Synthesis of 3,5-Disubstituted -1,2, 4-Oxadiazole Containing Retinoids from a Retinoic Acid Receptor Agonist: Das, B.C.; Tang, X.Y; Sanyal, S; Mohapatra, S; Rogler, P; **Nayak, S**; Evans, T. *Tetrahedron Letter* **2011 In Press, ISSN No 0040-4039**
3. Research Papers in Non-peer Reviewed Journals: (Five maximum, with ISSN Numbers) No
4. Chapters in Edited Books: (Five maximum with ISBN Numbers, Publication House, Year, Place) No
5. Reviews in Peer Reviewed Journals: ( Five recent reviews) No

**Conference Presentations:** International Conference attended-2; National-1

**Conferences/ Workshops/ Training Programs Organized:** SCAPP-2010 In Ravenshaw University, Member of organising committee

**Research Projects, Evaluation Research, Consultancies:** The project titled as “Design and synthesis of Novel  $\alpha$ ,  $\beta$  and  $\gamma$  amido boronic acids as therapeutics” applied to DST FAST TRACK

**Research:** one Ph.d student and one M.phil student continuing research under my guidance

**Advisory & Editorial Boards:** no

**Honours, Fellowships:** CSIR JRF and SRF (2002-2007), Best poster award in NCL Foundation day, 2005

**Membership in Professional Bodies:** Life member in Orissa Chemical Society

**Personal Information:**