

**MAGADH MAHILA COLLEGE
PATNA UNIVERSITY**

FOR SELF APPRAISAL OF TEACHERS



General Information

Name : Dr. Amrita Prasad

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PAN No. : ASPPP5563J

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Mobile No. : 9955748253

Phone No. : 9455046950

Date of Birth : 24.07.1983

Designation : Assist Professor

Department : Chemistry

Date of Joining : 15.11.17

Date of Conformation :

Date of Promotion :

Area of Specialization : Organic Chemistry

Academic Qualifications

Exam Passed	Board/ University	Subjects	Year	Division/ Grade Merit etc.
High School	UP Board	Science Stream	1998	I st (69.4%)
Higher Secondary or Pre-degree	UP Board	Science Bio Group	2000	I st (65.0 %)
Bachelor's Degree (s)	Banaras Hindu University	Chemistry Hons	2005	I st (74.0%)
Master's Degree (s)	Banaras Hindu University	Organic Chemistry	2007	I st (82.0%)
Research Degree (s)	Banaras Hindu University	Analytical (Applied chemistry)	2013	

Research Experience & Training

Research Stage	Title of work/Theses	University where the work was carried out
Ph.D.	“carbon nanotubes modified molecularly imprinted polymer as sensing probes for certain biomolecules”	Banaras Hindu University
Post- Doctoral	“Molecularly imprinted nano-materials based electrochemical sensing devices for highly selective and sensitive detection of Food Toxin”.	Jadhavpur University

Publications

- Multiwalled carbon nanotubes-ceramic electrode modified with substrate-selective imprinted polymer for ultra-trace detection of bovine serum albumin Bhim Bali Prasad, Amrita Prasad, Mahavir Prasad Tiwari, Biosensors and Bioelectronics 39 (2013) 236–243. Impact factor- 6.4, ISSN No (0956-5663)
- Multiwalled carbon nanotubes bearing ‘terminal monomeric unit’ for the fabrication of epinephrine imprinted polymer-based electrochemical sensor Bhim Bali Prasad, Amrita Prasad, Mahavir Prasad Tiwari, Rashmi Madhuri Biosensors and Bioelectronics 45 (2013) 114–122. Impact factor- 6.4, ISSN No (0956-5663)
- Quantum dots-multiwalled carbon nanotubes nanoconjugate-modified pencil graphite electrode for ultratrace analysis of hemoglobin in dilute human blood samples Bhim Bali Prasad, Amrita Prasad, Mahavir Prasad Tiwari Talanta 109 (2013) 52–60. Impact factor- 3.8, ISSN No (0039-9140)
- Highly selective and sensitive analysis of γ -aminobutyric acid using a new molecularly imprinted polymer modified at the surface of abrasively immobilized multi-walled carbon nanotubes on pencil graphite electrode Bhim Bali Prasad, Amrita Prasad, Mahavir Prasad Tiwari Electrochimica Acta 102 (2013) 400–408. Impact factor- 3.9, ISSN No (0013-4686)
- Molecularly imprinted micro solid-phase extraction technique coupled with complementary molecularly imprinted polymer-sensor for ultratrace analysis of epinephrine in real samples Bhim Bali Prasad, Amrita srivastava, Amrita Prasad, Mahavir Prasad Tiwari Colloid and Surfaces b: Biointerfaces 113 (2014) 69– 76. Impact factor- 3.5 ISSN No (0927-7765)

- Molecularly Imprinted Polymer based enantioselective sensing devices:A Review Mahavir Prasad Tiwari, Amrita Prasad Analytical ChimicaActa 853(2014)1-18. Impact Factor 4.5, ISSN No (0003-2670)
- Application of Polymethacrylic Acid Imprinted Quartz Crystal Microbalance Sensor for Detection of 3- Carene in Mango. IEEE Explore In Press (2017) Conference Proceeding
- Substrate-selective Imprinted Polymer Based Ceramic Electrode Sensor For Bovine Serum Albumin, RAM 2013, Govt. College of Engineering and Technology, Bikaner Amrita Prasad, Mahavir Prasad Tiwari, Bhim Bali Prasad AIP conference proceedings 1536, (2013), pp. 1167-1168
- Selective and sensitive detection of fruit aroma using molecularly imprinted polymer based piezoelectric quartz sensor Amrita Prasad, Barnalighatak, SK Babar Ali, Prolay Sharma, Arunangshu Ghosh, BipanTudu and Rajibbandhyopadhyay
- 16th International Symposium on Olfaction and Electronic Nose, Dijon, France (Abstract # 93)

Seminars, Conferences, Symposia Workshops etc. attended

Sl. No	Name of the Seminar/Conference/ Symposia Workshop, etc.	Name of the Sponsoring Agency	Place and Date
1.	International Conference on recent trends in applied physics and material science	RAM 2013	Govt. college of engineering and technology, Bikaner, Feb 1-2/2013
2	national symposium on chemistry and environment	(NSCE-2013)	Deptt. of chemistry, centre of advanced study, Faculty of science, B.H.U. India during March 15-16/2013
3	Indo-Us workshop on Electro catalytic materials for fuel and biofuel cells	(INDO-US ECM-2013)	Department of chemistry, Faculty of Science, BHU 2013.
4	National Symposium on Advanced Functional Materials	[NSAFM-2012]	Department of Chemistry, Faculty of Science, BHU 2012
5	International Conference of Nanomaterials and Nanotechnology	[ICNANO-2011]	Conference Center, Delhi University, Delhi on December 18-21, 2011
6	National Symposium on Emerging Trends in Chemical Sciences	(ETCS-2011),	Department of Chemistry, BHU, Varanasi, February 19-20, 2011
7	4th International Conference, 'INDIAS 2010'	INDIAS 2010'	Nanotechnology Application Centre, Institute of Interdisciplinary Studies (IIDS), University of Allahabad, India, September 19-21, 2010
8	workshop on Electronic Structure Calculations and Application		Department of Physics, MahilaMahavidyalaya, BHU, Varanasi on 26-27 March 2011

Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
U.G. B.A. /B.Sc., etc. Pass B.A. / B.Sc. / etc. Hons.	MMC (PU)	2 months
P.G.(M.A. /M.Sc., etc.)	MMC (PU)	2 months

Total Teaching Experience

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Under-graduate (Pass) :2 months

Under- graduate (Hons) :2 months

Post-graduate :2 months

Participation in Corporate Life

College/University/ Institution : FIITJEE Ltd (Taught for Two Years)

Any other information

Qualified CSIR-UGC NET 2009, and DS Kothari Post-Doctoral fellowship Sep 2014.