

Name : Madhavi. K
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Department: Humanities & Sciences
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Experience (in years): Teaching:16 Years Research: Others (If any, Specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2014	Analytical Chemistry
2	M.Phil	2010	Analytical Chemistry
3	M.Sc	2001	Analytical Chemistry
4	B.Sc	1998	M.P.C

2. Teaching and Learning:

2.1. Teaching Interests:

- Engineering Chemistry
- Inorganic Chemistry
- Analytical Chemistry,
- Physical and General Chemistry

2.2. Novel Teaching & Learning Techniques adopted:

- Concept Maps
- Mind Maps
- Think-Pair-Share
- Crossword,
- Word Search
- Cheat Sheet
- Match the following,
- Word Scramble
- POGIL

2.3. Involvement in curriculum updating / Design: Member BOS Chemistry

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Reading Books
- Counseling students
- Giving value based education

3.2. CCA/ECA Organized: NIL

3.3. CCA/ECA participated:

NAAC Department Coordinator

Dramatrix club –Faculty Coordinator

Annual day Refreshment committee Member

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:Chemistry lab Incharge

Academic Audit Cell member

NAAC Coordinator

Institute Level:

- E- Learning Cams
- Project Arcade

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Nano Technology – The Present and Future aspects 5th April 2010.
- Organized a Two day workshop on Faculty orientation Programme in Engineering Chemistry at vnrvjiet 2010.
- Organized a lecture on engineering applications of Nano technology on 22nd Feb 2011.
- Organized a lecture on carbon nanotubes and its applications in Nov 2012.
- Engineering the Education Scenario towards Learner Centric Environment in Aug 2014.

4.2 Attended:

- Three day National Workshop on Soft Skills Development Strategies corporate and Academic perspectives, on 23-24 July 2009 at VNRVJIET, Hyderabad
- Attended a Two day workshop on Polymer waste management at JNTUH, Dec 18th and 19th, 2009.
- Attended a Two day National workshop on Energy, Environment and Sustainable development in May 2011 organized by civil dept at VNRVJIET.
- Attended a guest lecture on Material science organized by EEE dept at VNRVJIET in 2011.
- Attended a guest lecture on laboratory techniques organized by civil dept at VNRVJIET in 2011.
- Attended a one day workshop on POGIL by Dr.Cliff and Technology for education by Dr.Kinshuk on 23 July 2012 at VNRVJIET
- Attended a lecture on teaching based learning outcomes by Dr P.G. Shastry on August 11th 2012.
- Attended a two day workshop on pedagogy of technical writing organized by humanities and sciences on 6th and 7th September 2012.
- Attended foundation day lecture by Dr.D.N.Reddy on 21st September .

- Attended a lecture on Excellence in engineering education by Dr P.Raghavendra Rao on September 28th 2012.
- Attended Engineer's day lecture about "Our Inputs for Greener Environment" on September 15th 2012.
- Under career vision development programme attended "**Classroom Management Strategies for Effective Instructions**" on October 5th 2012.
- Attended a Three day workshop on Art of Teaching Feb 11-13th 2013 by IIT-Hyderabad.
- Attended a lecture on Teaching methodologies and classroom Management by Prof Rao Unnava at VNRVJiet on 19th March 2013.
- Attended a EMS lecture on Teaching and learning process a Paradigm shift Dr.Kiranmai at VNRVJiet.
- Attended a EMS lecture on Demystifying Intellectual property Rights by Ramesh Chandra at VNRVJiet
- Attended a EMS lecture on Intellectual property Rights by Dr A.S.Rao at VNRVJiet.
- Attended a one day workshop on "INTRO TO POGIL" organized by Dr. Sandhya Kode and Dr.C.Jyotsna. on February 16th 2013.
- Attended all the POGIL follow up sessions organized by Dr.Sandhya.kode and Dr.C.Jyotsna conducted on March 1st and 13th, April 2013.
- Attended training class on ASSET management by Col.Ratnakumar on 27th April 2013.
- Attended a seminar on "A Birds view of Nano science and technology in Indian research" by Dr. Brahmaji Rao on July 25, 2013.
- A two day national level symposium on "Role of Chemistry in advanced engineering materials" at Vasavi College of engineering on 26-27th July 2013.
- A two day workshop on Advanced Materials and their applications on 2-3rd September 2013 at VNRVJiet.
- One day workshop on Engineering Materials at Vasavi College of engineering on 25th Jan 2014.
- Three day International conference on New Dimensions in Chemistry and Chemical Technologies and applications in Pharma industry at JNTUH on 23rd -25th June 2014.
- Engineering the Education Scenario towards A Learner Centric Environment-August 2014.
- Training Programme on WIT & WIL at VNRVJiet
- A seminar on Outcome based education on 16th Feb. 2015.
- A seminar on Curriculum design and development on 2nd April 2015.
 - Attended a 2 day workshop on "3D printing" conducted by the department of Mechanical Engineering at VNRVJiet during 19th -20th March 2015.
 - A seminar on "Nanoscience and Technology for sustainable infrastructure" by Dr.Sesha.S Srinivas from Florida Polytechnic University USA, conducted by Centre for Nanoscience and Technology on 6th July 2016.
 - Attended a 10 week FDP programme on Use of ICT in Education for Online and Blended Learning from April 2016 to June 2016 and successfully completed the course and got Top Performer award.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG:

b) PG:

5.5. Research Interests:

5.6. Ph.D students:

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Spectrophotometric determination of cobalt in water and agricultural samples.	Journal of applicable Chemistry Vol 1(4), 2012, 500-504	2278-1862	1.290	International
2	Spectrophotometric method for the determination of manganese (II) in soil samples and plant materials using morpholine dithiocarbamate,	International Journal of Engineering research and technology. Vol 2, issue 2- 2013	2278-0181	1.72	International
3	Spectrophotometric method for the detection of Tin(II) in synthetic mixtures using Morpholine	International Journal of Emerging Engineering	2349-4935	1.222	International

	Dithiocarbamate .	Research & Technology			
4	Estimation of Selenium(IV) in Human Hair, Nails, Blood samples and Wheat and Jaggery samples using Morpholine Dithiocarbamate .	Chemical Science Reviews and Letters	2278-6783	4.014	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Spectrophotometric study of Mercury(II) as MDTC complex.	International Conference on New Dimensions in Chemistry and Chemical Technologies	International	June 23 rd to 25 th 2014
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6.Awards / Honors received:

7. Motto: Sincerity and hard work never go unrewarded.