

## PROFILE



1. Name of the Faculty Member :Dr.P.Bhavani
2. Designation :Asst.professor
3. Department :Engineering chemistry
4. Date of Birth :15-07-1977
5. Date of joining :3-10-2007
6. Experience (a) Teaching :18years  
(b) Research : 10years
7. Mobile No :9701113599
8. Email-ID :bhavani.penmatsa@gmail.com
9. Educational Qualifications :MSc,MPhil,PhD

Qualification	University/Board	Specialization	Year of Passing
Ph. D	Acharya Nagarjuna	chemistry	2014
M.Phil / M.Tech	Vinayaka missions	chemistry	2007
P.G.	Andhrauniversity	Applied chemistry	1999

### 10. Subjects Taught :

- Applied chemistry
- Engineering Chemistry
- Organic Chemistry
- Inorganic Chemistry
- Physical Chemistry
- Human Values& professional ethics

### 11. Research Experience :

(a) Research Area : Chemistry, Yoga

(b) Research Papers Published in Journals :

Sl. No.	Title of research article / paper(s)	Name of journal (with city/ country)	Whether Sole Author/ Co-author	Month & year of publication, volume, no. & page nos.	ISBN/ ISSN No.	Level (Int./ Nat./ State/ Local)
1	Structural study of PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system doped with V <sub>2</sub> O <sub>5</sub> through spectroscopic and magnetic properties.	chemistry journal	Sole Author	3 (2), 75-80, 2013	2049-954X	International
2	Spectroscopic and magnetic properties as a tool in the structural study of PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system doped with Mo <sup>6+</sup> ions.	Int. J. of Applied Chemistry	Sole Author	9 (1), 59-73, 2013	0973-1792	International
3	Structural study of PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system	Journal Applicable Chemistry	Sole Author	2 (2), 328-337, 2013.	2278-1862	International

	doped with MnO through spectroscopic and magnetic properties.					
4	Structural study of PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system doped with CoO through optical and magnetic properties.	Journal Applicable Chemistry	Co-author	1 (1), 97-108, 2012	2278-1862	International
5	Reduce the excess usage of natural resources through self exploration	International Journal of Engineering Research	Sole Author	Vol.4., S2., 2016	2321-7758	International
6	Effect of yoga and meditation on Engineering students	Journal of chemical and pharmaceutical science	Sole author	Issue 10	0974-2115	International
7	Room temperature dielectric and antibacterial behavior of thiosemicarbazide capped low dimension silver and gold nanoparticles.	International journal of nano dimension	Co-author	Vol-8/ Issue-4		International
8	Quantitative spectroscopic investigation of losartan potassium in bulk and pharmaceutical dosage by visible spectrophotometry	Rasayan journal	Co-author	Vol-11/ Issue-4	0974-1496	International
9	Adsorption of disperse blue 14 onto activated carbon prepared from Jackfruit-PPI-I waste	Elsevier	Co-author	Vol-18p6	2036-2051	International
10	Effect of bio-enzyme in fresh water bodies cleaning	IJRTEEE(International journal of recent technology and engineering)	Sole author	Volume-X, Issue-X	2278-3075	International

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(d) Research Papers Published in Proceeding of Conferences

(e) Workshops/STTP/QIP Attended

S.No	Name of the seminar	Name of the paper presented	Year and Date	Place
1	State level seminar on "Role of Chemistry in Modern Drug Discovery"	Participated	24 <sup>th</sup> November 2006	Department of chemistry, DNR college, Bhimavaram
2	Inculcating Human Values in Technical Education.	Participated	23 <sup>rd</sup> to 27 <sup>th</sup> June 2008	SRKR Engineering College, Bhimavaram
3	Creative memory & study skills	Participated	25 <sup>th</sup> -30 <sup>th</sup> October 2009	Bhimavaram
4	National seminar on "Emerging trends in material science – An application to amorphous, nano & liquid crystals"	Investigations on the structural role of Cu <sup>2+</sup> ions in PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system	30 <sup>th</sup> October, 2010	Department of Physics Sri CRReddy College, Eluru
5	Soft skills program on How to succeed	Participated	25 <sup>th</sup> January 2011	SRKR Engineering College, Bhimavaram
6	EEEE-2011 international Symposium on Effect of Emissions and Effluents on Environment	Carbon credits and its implications on biodiversity and food security	23 <sup>rd</sup> & 24 <sup>th</sup> December, 2011	Department of Engineering Chemistry, Andhra University Visakhapatnam
7	Indian Council Of Chemists	Paper presented	30 <sup>th</sup> December, 2011	Department of Chemistry, Osmania University, Hyderabad
8	Role of basic sciences in engineering and technology	Participated	December 2011	SRKR Engineering College, Bhimavaram

9	Two day national seminar on recent trends in advanced materials.	Participated	27 <sup>th</sup> -28 <sup>th</sup> January,2012	Department of Physics and Chemistry, Sri CRReddy College, Eluru
10	Work shop forCollege teachers Igniting genius within every student	Participated	31 <sup>st</sup> July 2012	SRKR Engineering College, Bhimavaram
11	Save Me-2012 Saving the Mother Earth	Carbon credits and its implications on biodiversity and food security	1 <sup>st</sup> August 2012	SRKR Engineering College, Bhimavaram
12	Indian council of chemists 32 <sup>nd</sup> Annual National conference.	participated	28 <sup>th</sup> -30 <sup>th</sup> November 2013,	Karnataka University Dharwad.
13	National seminar on modern trends in chemical sciences.	Poster presented	20 <sup>th</sup> and 21 <sup>st</sup> December 2013.	Acharya Nagarjuna University Nagarjuna Nagar, Guntur
14	International Symposium on environmental pollution, nutrition and genetics.	Poster presented	27 <sup>th</sup> – 29 <sup>th</sup> December 2013	Vikrama simhapuri University, Nellore
15	Jeevan vidya workshop	Participated	21 <sup>st</sup> – 28 <sup>th</sup> June 2014	IIIT Hyderabad
16	Recent trends in spectroscopy	Structural study of PbO-B2O3 glass system doped with V2O5 through FTIR analysis	11 <sup>th</sup> December 2014	D.N.R.College, Bhimavaram
17	Green Chemistry-Its impact on environmental protection	Presented paper	6 <sup>th</sup> February, 2014	Sir CR Reddy Autonomous College Eluru

18	Advanced molecular spectroscopic techniques	Structural study of PbO-B <sub>2</sub> O <sub>3</sub> glass system doped with Fe <sup>3+</sup> through Spectroscopic analysis	21 <sup>st</sup> & 22 <sup>nd</sup> August 2015.	Government College (A), Rajahmundry, AP.
19	Recent advances in spectroscopy Techniques.	Participated	19 <sup>th</sup> & 20 <sup>th</sup> February 2016.	KGRL Govt. Aided Degree College, Bhimavaram
20	Emerging Trends in Electro chemical Energy Generation, Storage & photovoltaic's.	Participated	19 <sup>th</sup> & 20 <sup>th</sup> March 2016.	Gudlavalleru Engineering College. Gudlavalleru
21	Advances in materials and manufacturing technologies.	Participated	23 <sup>rd</sup> April 2016	SRKR Engineering College, Bhimavaram.
22	National work shop on Spectrophotometry and Chrometography.	Participated	20 <sup>th</sup> june 2016	Sir CR Reddy Autonomous College Eluru
23	Make in India the dimensions and prospects.	Foreign direct investment development of smart cities.	12 <sup>th</sup> February 2016	D.N.R.College, Bhimavaram
24	Environmental protection and sustainable development issues and challenges.	Harmony in nature understanding the interconnectedness and mutual fulfillment.	22 <sup>nd</sup> , 23 <sup>rd</sup> September 2016	Sir CR Reddy Autonomous College Eluru
25	Two day work shop on Evaluation of land and water management systems of west Godavari district, Andhra Pradesh, india.	Participated	27-28, October 2016	S.R.K.R Engineering College, Bhimavaram
26	International conference on Applied Science and Technology	Organized	24 <sup>th</sup> -25 <sup>th</sup> January 2018	S.R.K.R Engineering College, Bhimavaram

27	International conference Materials for Energy and Environmental protection	participated	12- 13February2018	Sir CR Reddy Autonomous College Eluru
28	National seminar on Recent Advances in Medicinal Chemistry	Participated	21 <sup>st</sup> February2018	Jagarlamudi Kuppuswamy Choudary College,Guntur-6
29	Workshop on Emerging trends in knowledge societies	Participated	21 <sup>st</sup> December 2018	S.R.K.R Engineering College, Bhimavaram
30	AICTE –ISTE approved induction/refresher programme	completed	9 <sup>th</sup> 14 <sup>th</sup> sep,2018	S.R.K.R Engineering College, Bhimavaram
31	International conference on Applied Science and Technology	Effect of bioenzyme on the treatment of pond water(Organizer)	27&28 March 2019	S.R.K.R Engineering College, Bhimavaram
32	Training program on Training of Teachers for Student Induction Program	participated	16 <sup>th</sup> to 18 <sup>th</sup> May,2019	IIIT,HYD.
33	One week faculty development program on research methodology	Participated	8 <sup>th</sup> to 12 <sup>th</sup> July,2019	S.R.K.R Engineering College, Bhimavaram
34	NPTEL-AICTE Faculty Development	Waste to energy	Feb-April 2019	-

35	Programme  NPTEL-AICTE Faculty Development Programme	conversion.  Completed  Waste water treatment and recycling	8 weeks  Jul-oct 2019  12 weeks	-
36	One day national symposium on Innovative Advances and Impact of the chemical elements for sustainable development	Participated	31 <sup>st</sup> December,2019	Jagarlamudi Kuppaswamy Choudary College,Guntur-6
37	One day Faculty orientation programme on HUMAN VALUES & PROFESSIONAL ETHICS	Convenor	2 <sup>nd</sup> November,2019	S.R.K.R Engineering College, Bhimavaram

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- Workshops Conducted
- Save me 2009, 2010,2011,2012
- Youth Empowerment Skills program for students 2010 - 2016
- Happiness course for staff
- Women empowerment workshop
- One faculty orientation on Human values &professional ethics.
- ICAST 2018,2019
- Drug free India
- International Yoga Day 2016, 2017,2018,2019
- Smart india hackathon, 2019 organizer.

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(h)Details of Sponsored Research Projects

Sl. No.	Title/Subject of Research Project(s)	Wheth er major	Date of Commencement	Date of Compl	Total Grants / Funding	Name of Sponsoring/ Funding	Whether Outcome / Outputs sent	Whether final report published
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		or minor project		etion	received (Rs.)	Agency	to Sponsoring Govt. Agency	as monograph book
1	Application of probiotics in treating drinking water	major			33.572 lakhs	SERC DIVISION.DST ,NEW DELHI		

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(f) Details of Patents

(g) Details of Consultancies from Industry

S No	Title of the Project	Amount Sanctioned	Issued Authority	Status	Year of Sanction

(h) Details of Ph.D. Guidance

S No	Name of the Scholar	University	Year of Registration	Research Area	Year of Award

(i) Details of Publications Citation Index

S No	Citation Database	Number of Citations	h-index	Web link
	Google			
1	Scholar			
2	Scopus			
3	SCI			

(j)Details of Books/Book Chapters published:

**Administrative Positions Held: CO-CURRICULAR, EXTENSION AND PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES**

S. No.	Description
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1	In Charge of PAIE(People association for inner engineering)
2	Involving in college cultural activities
3	Coordinator, WGRC (Women's Greven Redressal Cell)
4	Coordinator, Women Empowerment Cell
5	Coordinator, Grievance Redressal committee.
6	Coordinator, NSS Committee.
7	Coordinator, Differently Abled cell Committee.
8	Coordinator, Anti raging Committee
9	Coordinator, Sports Committee.
10	Coordinator, Cultural development committee.
11	Coordinator, Extracurricular activities.
12	Coordinator, R&D
13	Coordinator, Unnat Bharat Abhiyan

12.

13. Membership in Professional Bodies :

The Indian Society For Technical Education LM 124198, Indian Council of

Chemists LM1538.

14. Achievements:

15. Other Details if any: Art of living teacher, BOS member GIET, Paper

setting(GVP,RVR&JC,SASI Engg college...)

16. As chief guest Induction programme for degree student (DNR Autonomous

degree clg)

International women's day( Srinivasa institute

engineering and technology)