Dr. G. Bhagavanth Reddy M.Sc., Ph.D.

Assistant Professor of Physical Chemistry (c)

E-mail: bhagavanth.g@gmail.com

Dr. G. Bhagavanth Reddy completed his M.Sc. in Chemistry from University College, Kakatiya University, in 2009 and earned his Ph.D. from Osmania University in 2016. He began his academic career as an Assistant Professor (C) in 2016. With 9 years of teaching experience and 14 years of research experience, Dr. Reddy has made significant contributions to the field of chemistry. He has authored **12 books, 9 book chapters,** and **published 72** research articles in reputed international journals, achieving an **h-index of 27** and an **i10-index of 39**. Additionally, he holds three patents. Dr. Reddy has presented research papers at 20 national and international conferences and delivered numerous guest and invited lectures at various institutions. He is a life member of the Indian Council of Chemists, the Institute for Engineering Research and Publication, and the Indian Red Cross Society. Furthermore, he serves as a reviewer for more than 15 international professional journals. His research primarily focuses on the preparation and characterization of metal nanoparticle, carbon dots, and nanocomposites, with an emphasis on exploring their diverse applications.

Since May 2024, Dr. Reddy has been serving as the **Principal** of the PG Center Wanaparthy, Palamuru University, while also **heading** the Department of Chemistry at the same institution.

Profile

Name: Dr. G. Bhagavanth Reddy
Father's Name: G. Venkat Reddy
Date of Birth: 05-08-1985
Place of Birth: Jadcherla
Social Status: General
Marital Status: Married
Nationality: Indian
Languages known: Telugu, English and Hindi
Email id: bhagavanth.g@gmail.com
Phone: +919032801192

1. Educational Qualifications:

Sl. No.	Examination/ Degree	Name of Board/University	Percentage of marks/Grade	Discipline/Subject(s)	Year of Passing / Award
1	PhD	Osmania University	-	Chemistry	2016
2	MSc	Kakatiya University	68.9	Physical Chemistry	2009
3	B.Ed.	Osmania University	64.5	Physical Science	2007
4	BSc	Osmania University	66.6	MPC	2005

2. Title of Ph.D. Thesis: A Novel Green Synthesis of Gold Nanoparticles-Characterization and Applications, and **awarded** on 02/08/2016

3. Qualified CSIR- JRF on 10-10-2010

4. Details of Employment and Academic Experience:

Sl. No.	Name of the Employer	Status of the Institute/University (Govt./Quasi Govt./Autonomous/ Private)	Post held/Designation	Period of Employment	Pay band/Scale and Grade Pay	Nature of Duties
1	Palamuru University	Autonomous	Academic Consultant	Aug-2016-till date	22000/-	Teaching
2	Shivani Degree and PG college	Private	Lecturer	2009-2011	15000/-	Teaching

5. Experience:

(i) Total Teaching Experience: **3.4** Years

6. Details of Research Experience:

Sl. No.	Position	Institution	Country	Period	Funding
1	JRF	Osmania University	India	2011-13	CSIR
2	SRF	Osmania University	India	2013-16	CSIR

7. Publications:

Sl. No	Paper Title	ISSN/ ISSB	Publisher	Published/Accepted
1	Green synthesis of highly fluorescent nitrogen - Doped carbon dots from Lantana camara berries for effective detection of lead(II) and bio imaging	1011-1344	Elsevier	Published
2	Facile Green Synthesis of Gold Nanoparticles with Carboxymethyl Gum Karaya, Selective and Sensitive Colorimetric Detection of Copper (II)Ions	1040-7278	Springer	Published
3	Carbon dots and Ag nanoparticles decorated gC3N4nanosheets for enhanced organic pollutants degradation under sunlight irradiation	1010-6030	Elsevier	Published
4	Microwave irradiated green synthesis of gold nanoparticles for catalytic and antibacterial activity	2093-3371	Springer	Published
5	Facile and green synthesis of fluorescent carbondots from onion waste andtheir potential applications as	2046-2069	RSC	Published

	sensor and multicolour imaging agents.			
6	Synthesis and Characterization of C–TiO2/FeTiO3and CQD/C–TiO2/FeTiO3 Photocatalysts with Enhanced Photocatalytic Activities Under Sunlight Irradiation	2194-1289	Springer	Published
7	Eco-friendly green synthesis of silver nanoparticles using salmalia malabarica: synthesis, characterization, antimicrobial, and catalytic activity Studies.	2190-5517	Springer	Published
8	Photocatalytic degradation of dye pollutants under solar, visible and UV lights using green synthesised CuS nanoparticles	1745-8080	Taylor & Francis	Published
9	Microwave-Assisted Green Synthesis of Gold Nanoparticles Using Olibanum Gum (Boswellia serrate) and its Catalytic Reduction of 4-Nitrophenol and Hexacyanoferrate (III) by Sodium Borohydride	1040-7278	Springer	Published
10	A novel green synthesis and characterization of silver nanoparticles using gum tragacanth and evaluation of their potential catalytic reduction activities	2093-3371	Springer	Published

	with methylene blue and Congo red dyes			
11	Green chemistry approach for the synthesis of gold nanoparticles with gum kondagogu: characterization, catalytic and antibacterial activity	2008-9244	Springer	Published
12	Catalytic Reduction of p-Nitrophenol and Hexacyanoferrate (III) by Borohydride Using Green Synthesized Gold Nanoparticles	2192-6549	Wiley online library	Published
13	Catalytic reduction of methylene blue and Congo red dyes using green synthesized gold nanoparticles capped by salmalia malabarica gum	2008-9295	Springer	Published
14	Synthesis, Characterization, Fluorescence Photocatalytic and Antibacterial Activity of CdS Nanoparticles Using Schiff Base	1573-4994	Springer	Published
15	One-pot sonochemical synthesis of CdS nanoparticles: photocatalytic and electrical properties	2228-5547	Springer	Published
16	Pharmacokinetic and Pharmacodynamic Evaluations of Aceclofenac Matrix sustained release Tablets using Natural gum	0975-7619	Jpr solutions	Published
17	Efficient pH Dependent Drug Delivery to Target Cancer Cells by Gold Nanoparticles	1422-0067	Mdpi	Published

	Capped with Carboxymethyl Chitosan			
18	Development, evaluation and characterization of surface solid dispersion for solubility and dispersion enhancement of Irbesartan.	0974-6943	Elsevier	Published
19	Development and Characterization of Valsartan Surface Solid Dispersion Formulation Using Super Disintegrants for Improved Oral Bioavailability	0975-7619	Jprsolutions	Published
20	Design and Evaluation of Efavirenz loaded Solid Lipid Nanoparticles to Improve the Oral Bioavailability	2249-0337	Universal Research	Published

9. Paper Presentations in Conference / Seminar / Workshops:

Sl.No.	Paper Title	Title of Conference / Seminar/Workshop	Presentation Type	Remarks
1	Biosynthesis of Silver Nanoparticles using Mastic gum (mastic tree): Characterization and anti-bacterial application	New Vistas' on Biotechnology for Sustainability	Oral	presentation
2	Colorimetric aggregation assay for mercury (II) using carboxymethyl chitosan functionalized gold nanoparticles	A two day national conference on biodiversity and human health	Oral	nil
3	Catalytic reduction of methylene blue and Congo red dyes using microwave-assisted green	Advanced research methods in chemical sciences	poster	nil

	synthesized silver nanoparticles capped by papaya leaf extract			
4	Green synthesis of Gold nanoparticles with gum kondagogu: characterization and delivery of doxorubicine	Drug Innovations and Discoveries: Inquisitive Technologie	Poster	nil
5	The use of Stavudine loaded gold nanoparticles as efficient drug delivery system to treat HIV	Nano, Bio& material sciences	Oral	nil
6	Synthesis of anatase TiO2 Nanoparticles by using green method and its photocatalytic activity	Green technologies for environmental protection	Poster	nil
7	Novel, eco-friendly, one-pot Synthesis of gold nanoparticle as a carrier for delivery of anti-cancer drug	IUMRS-ICA 2013	Poster	nil
8	Efaviranz loaded solid lipid nano particles as novel drug releasing system- an investigation	Perspectives on drug discovery and chemical research	Poster	nil
9	Green synthesis and Characterization of gum kondagogu capped gold nanoparticles and their applications in catalytic activity	Nanoscience& Nanotechnology	Poster	nil
10	Catalytic Reduction of p- Nitrophenol and hexacyanoferrate (III) by Borohydride using green synthesized gold nanoparticles	New vistas of chemistry: An interdisciplinary approach	Poster	nil
11	A Rapid	International Conference on	Oral	nil

	Colorimetric Method For The Detection Of Copper (II) Ions By Carboxymethyl Gum Kondagogu-Functionalized Gold Nanoparticles	Green trends in Environmental Sustainability ICGTES 2016		
12	Catalytic Reduction Of P-Nitrophenol And Hexacyanoferrate (Iii) By Borohydride Using Green Synthesized Gold Nanoparticles	Biochemistry, Nutrition & Pharmacy In Human Welfare : Recent Trends And Future Challenges	Poster	nil
13		IPR awareness Workshop	participated	nil

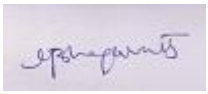
10. Details of Membership in Professional/Academic bodies/Societies:

Indian Science Congress life time membership id L33268

Declaration:

I hear by declare that the above information given by me is true, complete and correct in the best of my knowledge and belief and that nothing has been concealed or distorted thereof.

Date: 22-08-2017



(G Bhagavanth Reddy)