

# CURRICULUM VITAE

## Dr VARSHA CHANDRAKAR

Assistant Professor

Department of Chemistry

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## PERSONAL PROFILE

<b>Name</b>	<b>Dr Varsha Chandrakar</b>
Date of Birth	31/10/1990
Husband's name	Mr. Chandrashekhar Chandrakar
Father's name	Shri Ishwari Prasad Chandrakar
Mother's name	Smt. Nutan Chandrakar
Marital Status	Married
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## CAREER OBJECTIVE

*My aim is to work innovatively for the enhancement and betterment of education. I aspire to work for an institution which offers career growth and chances to learn and improve my knowledge.*

## ACADEMIC QUALIFICATION

Degree	Year	University/Board	Field/Topic	Division
B. Sc.	2013	Govt. D.B. girls college, Raipur (C.G.)	Chemistry, Zoology. Botany	First
M.Sc.	2015	Pt. Ravi Shankar Shukla university, Raipur (C.G.)	Chemistry	First
Ph.D.	2024	<u>National Institute of Technology, Raipur (C.G.)</u>	“Green Fabricated Silver and Gold Nanoparticles for the Determination of Biothiol, Thiourea and Pb (II) in Biological, Environmental Samples And Antimicrobial Activity of Silver Nanoparticles	
NET-LS	2017	CSIR-UGC	Chemical Science	(AIR 38)
CGSET	2017	CGVYAPAM	Chemical Science	

PUBLICATIONS BASED ON RESEARCH WORK OF  
VARSHA CHANDRAKAR (18331012)

1. **Varsha Chandrakar**, Kavita Tapadia, Ultrasensitive nanodrop spectrophotometric assay of Pb (II) using green fabricated gold nanoparticles. *Bull. Mater. Sci.* **Springer**, June 2022;45(4):1-8. DOI: 10.1007/s12034-022-02783-5
2. **Varsha Chandrakar**, Kavita Tapadia, Geetika Wag, Green fabrication of silver nanoparticles via *Ipomea carnea* latex extract: Antibacterial activity. *J. Ind. Chem. Soc.* **Elsevier**, June 2022. 100648. DOI: 10.1016/j.jics.2022.100648
3. **Varsha Chandrakar**, Kavita Tapadia, Saurabh Kumar Gupta. Greener approach for gold nanoparticles synthesis from fruit peel extract of *Manilkara zapota*: a fluorometric assay for determination of thiourea. *Inorganic and Nano-Metal Chemistry*, **Taylor and Francis**, May 2022,24:1-9.DOI: 10.1080/24701556.2022.2081203.
4. **Varsha Chandrakar**, Kavita Tapadia, Saurabh Kumar Gupta, Greener production of silver nanoparticles: a sensitive nanodrop spectrophotometric determination of biothiols, *Chem. Papers*, **Springer**, February 2021 vol. 75 (7) 3327–3336. DOI: 10.1007/s11696-021-01565-3.

**PRESENTED/ATTENDED NATIONAL/INTERNATIONAL CONFERENCES**

- **V. Chandrakar**, K. Tapadia; Poster presentation in Green approach for Gold nanoparticles synthesis and its application in Environmental sample; **1<sup>st</sup> International conferences on “Crystal Engineering from Molecule to Crystal” (CE-FMC-2019)** organized by Department of Chemistry, National Institute of Technology, Raipur ,CG, India.
- **V. Chandrakar**, K. Tapadia; Poster presentation in Greener Production of Silver Nanoparticles and Their Characterization; **One Day National Conference on “Innovations in Chemistry and Environmental Engineering” (ICEE–2019)**, Department of chemistry, National Institute of Technology, Raipur ,CG, India.
- **V. Chandrakar**, K. Tapadia; Oral presentation in Green Approach for Synthesis of Silver Nanoparticles from Latex Extract: A Nano-Drop Spectrophotometric Determination of Cys and Glutathione; **International conference on Material for Environment (ICME-2020)** Govt. V.Y.T.PG. Autonomous college, Durg, C.G., India.
- **V. Chandrakar**, K. Tapadia; Oral presentation in Greener Production of gold Nanoparticles and their characterization;**1<sup>st</sup> International conferences on Recent Trends In Renewable**

**Energy and Sustainable Global Development (ICRTRESD-2020)** organized by BIT, Raipur & CSVTU, Bhilai (CG), India.

- **V. Chandrakar**, K. Tapadia; Oral Presentation entitled “Bio-Fabrication of Silver Nanoparticles Using *Ipomea carnea* Latex Extract: Antibacterial activity” in the **International Conference on “Recent Advances in Material Science and Organic Synthesis” (RAMSOS-2021)**, from 20th-21st December, 2021, Organized by Department of Chemistry, National Institute of Technology Raipur (CG), India.