**Shakti Devi Kakodiya**



**(M.Sc. Biotech)**

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# EDUCATIONAL STRENGTH

* **Master of Sciences, (Biotechnalogy): 62%**

Department of Bioscience, Rani Durgavati University Jabalpur, RDVV (M.P.), Year: 2014

* **Bachelor of Sciences (Biotechnalogy): 78%**

Department of Biotechnology, Rani Durgavati University, Jabalpur, (M.P), Year: 2012

* **Higher secondary Education: 57% (**School of Excellence, Seoni, (M.P.)
* **High School Education: 76% (**School of Excellence, Seoni, (M.P.)

#  RESEARCH INTREST

* Synthesis and designing of noble metal-based hybrid nanomaterials and their catalytic studies for biomedical applications.

# RESEARCH EXPERIENCE

* **Dissertation Title:** In vitro activity of some medicinal plant extracts against some bacterial and fungal isolates.

Department of PG studies and research in biological science, RDVV, Jabalpur, 2014.

# TEACHING EXPERIENCE

1. **NEET/PNST/GNT (Biology):** Delivered lectures on Zoology and botany, Basic English (2017-2022)

# TECHNICAL SKILLS

**Computer Work:** Word office, Power point & Excel

**Research Skill:** Material synthesis, Antimicrobial Studies (Growth Mechanism)

# AWARDS AND ACHIEVEMENTS (NATIONAL/INTERNATIONAL)

1. **National Award** (First in State): Badminton
2. **National Fellowship** (MP PSC Prelims)

# RESEARCH PUBLICATIONS

1. Shakti Devi Kakodiya et al., Enhanced Plasmon Based Ag and Au Nanosystems and Their Improved Biomedical Impacts, **Crystals**, 5, 12, **2022**. <https://doi.org/10.3390/cryst12050589>.
2. Shakti Devi Kakodiya et al., Plasmon Inspired 2D Carbon Nitrides: Structural, Optical and Surface Characteristics for Improved Biomedical Applications, **Crystals** 12(9), **2022**. <http://dx.doi.org/10.3390/cryst12091213>.
3. Shakti Devi Kakodiya et al., 2D Personality of Multifunctional Carbon Nitrides towards Enhanced Catalytic Performance in Energy Storage and Remediation, **Applied Sciences**, **2022**, 12(8), 3753; https://doi.org/10.3390/app12083753.

# BOOK CHAPTERS

1. Shakti Devi Kakodiya et al., Gajendra Kumar Inwati, Promod Thakur, C. Swart, Smart supercapacitors—a new perspective, Smart Supercapacitors Fundamentals, Structures, and Applications, **Elsevier, Book ISBN: 9780323905633**, **2022**. <http://dx.doi.org/10.1016/B978-0-323-90530-5.00027-7>

# REFERENCES

1. Prof. Man Singh, School of Chemical Sciences, Central University of Gujarat, Gandhinagar, 382030, India, E-mail: mansingh@cug.ac.in Contact: +919408635094.
2. Prof. Promod Thakur, University of the Free State, Bloemfontein, South Africa: promod.ufs@gmail.com, Contact: +27749629937 (Mob).

**DECLARATION:**

I hereby state that the information stated above is true to the best of my knowledge. I also acknowledge that if anything is found incorrect my candidature for the applied post stands cancelled.



Place: Seoni, M.P. (India)