

RESUME

G.O. OBAIAH, M.Sc. Ph.D. B.Ed.

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Permanent Address

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Present Address

Dr. G.O. Obaiah, Assistant Professor DOS and
Research in Chemistry, **Karnataka State Open,
University**,
Mysore-570006



To pursue a challenging career and be a part of progressive organization that give me scope to enhance my knowledge, skills and reach the pinnacle in the field of research and development with determination, dedication and hard work.

Strength:

- High dedication, accuracy and good analyzing intelligence
- Able to work under pressure
- Be able to work hard, good attitude
- Have a good analytical skill

Academic Qualification:

- **Ph.D. (Full Time) in Chemistry** awarded (30th Jan 2021) at Vijayanagara Sri Krishnadevaraya, University, Ballari. The title of my Ph.D. thesis is “**Synthesis and characterization and catalytic applications of doped metal oxides**”.
- **Post-Graduation (M.Sc.) In Science (Industrial Chemistry)** Secured “Grade (61.45%) from Vijayanagara Sri Krishnadevaraya, University, Ballari-583105. Percentage Scored (**A Percentage - 61.45%**).
- **Graduation (B.Sc.) In Science (PCM)** Graduated from Govt. Science College, Chitradurga-577501, Affiliated to Kuvempu University. Percentage Scored (**A Percentage - 60.79%**).
- **Bachelor of Education (B.Ed.)** In Jnanabharathi College of Education Hiriyyur, Chitradurga-577599. Percentage Scored (**A Percentage - 75 %**).

Areas of Interest:

- Solid state chemistry
- Inorganic chemistry
- Nano technology
- Organic chemistry
- Catalysis
- Photocatalysis

Experience:

Besides having self- motivated nature, I have good grasp of chemistry subjects and easily adjustable to new technologies and environments.

- 3 Years worked as a Lecturer, Department of Chemistry, Smt. S S A Govt First Grade College, Ballari, Karnataka
- **Presently I have working Assistant professor DOS and Research In Chemistry at Karnataka State Open University, Mysore**

Subjects Handled:

- B.Sc. Chemistry Theory/Practical (Ballari University, Kuvempu University, Davanagere University, Mysore University and KSOU Mysore)
- M.Sc. Physical/inorganic/organic Chemistry Practical's (PG courses of Ballari University, Kuvempu and Davanagere University, Mysore University and KSOU Mysore)
- NCERT Chemistry 1st and 2nd PUC

Research Publications:

1. **G.O. Obaiah^a**, K.H. Shivaprasad, K. Shrikanth Bhat, M.S. Hegde, M. Mylarappa, "Development and Catalytic Application of Palladium Doped Titania ($Ti_{0.98}Pd_{0.02}O_2$) Through Low-Temperature Solution Combustion Method" **ADVANCED SCIENCE LETTER**, 24 (8), 2018, 6004-6007. DOI: <https://doi.org/10.1166/asl.2018.12235>.
2. **G.O. Obaiah^a**, K.H. Shivaprasad, K. Shrikanth Bhat, M. Mylarappa, "A Potential Use γ -Al₂O₃ Coated Cordierite Honeycomb Reinforced $Ti_{0.97}Pd_{0.03}O_{2-\delta}$ Catalyst for Selective High Rates in Coupling reactions" **ELSEVIER: Materials Today: Proceedings 5** (2018) 22466–22472. [Volume 5, Issue 10, Part 3](#), 2018, Pages 22466-22472
DOI: <https://www.sciencedirect.com/science/article/pii/S2214785318317504>.

3. **G.O. Obaiah**^a, K.H. Shivaprasad, M. Mylarappa, “Synthesis and Structural Characterization of Undoped CeO₂ and Pd doped CeO₂ for Photo Catalytic Studies under Sunlight and UV-Light Irradiation” **ELSEVIER: International Journal of Advanced Science and Technology** Vol. 29, No. 3s, (2020), pp. 1436-1453.
DOI: <http://sersc.org/journals/index.php/IJAST/article/view/6106>.
4. **G.O. Obaiah**^a, K.H. Shivaprasad, M. Mylarappa, Shrikanth K bhat, “Nobel Metal Decorated TiO₂ Catalyst Coated On Cordierite Monolith for High Turnover Frequencies in Carbon-Nitrogen Coupling Reactions” **American Journal of Multidisciplinary Research & Development (AJMRD)**, ISSN: Volume 2, Issue 12 (December-2020), PP 30-45.
5. B. Guruswamy¹, V. Ravindrachary^{1*}, C. Shruthi¹, M.Mylarappa², **and G.O. Obaiah**³ “Surface, Temperature and Optical Properties Pd-TiO₂ Doped PVA Nanocomposite” **Materials Science Forum**, ISSN: 1662-9752, Vol. 962, pp 77-81. **DOI:** [10.4028/www.scientific.net/MSF.962.77](https://doi.org/10.4028/www.scientific.net/MSF.962.77)
6. **G.O. Obaiah**¹, K.H. Shivaprasad², Shrikanth K bhat³, M. Mylarappa⁴, “Selective Reduction of Aromatic Nitro Compounds to Amines from Pd Doped TiO₂ Catalyzed Nano Catalyst” ©2022 **ECS- The Electrochemical Society**; **ECS Transactions**, Volume 107, Number 1- **Citation** Obaiah G.O. *et al* 2022 *ECS Trans.* **107** 1681

Participation / Paper presented in National/International in Conferences

National Conferences

1. Participated in the KSTA National Conference on “**Impact of Science and Technology on Society and Economy**”. Jointly organized by Karnataka Science and Technology Academy (KSTA), DST, GoK, and VSK University, Ballari organized during March 8-9, 2017. **[Presented a paper entitled: “A Potential Use γ -Al₂O₃ Coated Cordierite Honeycomb Reinforced Ti_{0.97}Pd_{0.03}O_{2- δ} Catalyst for Selective High Rates in H₂+O₂ recombination”].**
2. Participated in **KSTA** Department of Science and Technology, Government of Karnataka, Bangalore and Veerashaiva College, Ballari, Jointly Organize Karnataka Science and Technology Academy Conference on “**Science and Society**” on 16th and 17th January 2015, at **Veerashaiva College, Ballari**.

International Conferences

3. Participated in the 1st International Conference on Nanoscience and Nanotechnology (ICNAN 16), organized by the Center for Nanotechnology (CNR), at **VIT University, Vellore, Tamilnadu**, India from 19th to 21st October 2016. **[Presented a paper entitled:**

“Development and Catalytic Application of Palladium Doped Titania ($\text{Ti}_{0.98}\text{Pd}_{0.02}\text{O}_2$) Through Low-Temperature Solution Combustion Method”].

4. Participated in International Conference on Advances in Science and Engineering (ICASE-2017) at East West Institute of Technology, Bangalore, India Regents International College, Bangkok, Thailand during 19th, 20, and 22nd January 2017.

[Presented a paper entitled: “A Potential Use $\gamma\text{-Al}_2\text{O}_3$ Coated Cordierite Honeycomb Reinforced $\text{Ti}_{0.97}\text{Pd}_{0.03}\text{O}_{2-\delta}$ Catalyst for Selective High Rates in coupling reactions”].

5. Participated in the 5th International Conference on Nanoscience and Nanotechnology (ICONN-2019) SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Kattankulthur Tamilnadu, Organized by department of physics and nanotechnology, SRM IST-India during 28-30 January 2019. **[Presented a paper entitled: “Synthesis, characterization and Augmented photocatalytic activity of TiO_2 and palladium doped TiO_2 nanoparticles Under Sunlight and UV-Light irradiation”].**

6. Participated in the 4th International Conference On Science, Agriculture, and Technology for Society (ICSTS-2019), Organized by VMS Research Foundation Nagpur, East-West Institute of Technology, Bangalore, and Karnataka during 13-15th May 2019. **[Presented a paper entitled: “Novel Combustion Synthesis and Characterization of Undoped CeO_2 and Pd Doped CeO_2 Nanoparticles using Solution Combustion Method”].**

7. Participated in the “INTERNATIONAL CONFERENCE ON TECHNOLOGIES FOR SMART GREEN CONNECTED SOCIETIES” 2021 NOVEMBER 29-30, 2021|ONLINE| WORLDWIDE **[Presented a paper entitled: “A Selective Reduction of Aromatic Nitro Compounds to Amines from Pd Doped TiO_2 Catalyzed Nano Catalyst” at the ICTSGS-1 conference led by Yamagata University Japan. ICTSGS-1 IS ORGANIZED BY SPAST FOUNDATION AND ASSOCIATED PARTNER INSTITUTIONS.**

8. Participated in the “3-day International Virtual Conference on “Chemistry – Frontiers & Challenges (ICCFC–2022)” Organized by PG & Research Department of Chemistry PSGR Krishnammal College for Women, Coimbatore, Tamil Nadu, and India from 5th -7th January 2022. **[Presented a paper entitled: “Synthesis and structural characterization of nanocrystalline CeO_2 and $\text{Ce}_{0.95}\text{Cu}_{0.05}\text{O}_2$ solid solution catalysts properties and its applications”].**

Workshops/Seminars/Webinar Attended:

1. Participated IQAC Initiated UGC-STRIDE Sponsored Two day International e-Conference on **“Material Science and Technology-2020”** an approach for Trans-Disciplinary research, Organized by **KLE Society’s S. Nijalingappa College, Bangalore, India-560010** on 9th & 10th October 2020.
2. Participated in **IQAC Initiated UGC-STRIDE sponsored Two day International e-Conference** on **“Applied Materials and Technology-2020”** an approach for Trans-Disciplinary research, organized by **KLE Society’s S. Nijalingappa College, Bengaluru-560010, and India** on 9th & 10th October 2020.
3. Centre for **Nanoscience and Genomics** Certificate of Participation of Vijayanagara Sri Krishnadevaraya University Ballari has participated in the Webinar on **“Nanoscience and Technology : Scope and Job Prospects”** organized by the Centre for Nanoscience and Genomics, Karunya Institute of Technology and Sciences, Coimbatore on 18th June 2020.
4. Participated in the International Webinar Series on **“Advanced Materials for Sustainable Development”** organized by the Department of Physics, School of Advanced Sciences, Kalasalingam Academy of Research and Education, Krishankoil during 2nd & 3rd, July 2020.
5. Participated in the National Level online Quiz On **“Fundamentals of Chemistry”** organized by Department of Chemistry on 6/21/2020 and secured 80% marks.
6. Participated in One Day International Webinar on **“Nanomaterials for Smart and Sustainable Energy Solutions”** organized by Department of Physics in association with Internal Quality Assurance Cell held on Monday, **June 8, 2020. At RAYAT SHIKSHAN SANSTHA’S MAHATMA PHULE ARTS, SCIENCE AND COMMERCE COLLEGE, PANVEL. DISTRICT- RAIGAD. (MS) INDIA. 410 206**
7. Participated in the International Virtual Conference on **“Advanced Materials for Energy and Environmental Applications (ICAMEEA-2020)”** conducted during **26-27th June 2020 at International Relationship Centre, Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu, India.**

Personal Details:

Father Name	Gudekote Obaiah
Date of Birth	07/06/1988
Sex	Male
Nationality	Indian
Caste	ST (Nayaka)
Languages Known	Kannada, English, Telugu
Marital Status	Married

References:

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Declaration:

I hereby declare that, the above mentioned statement is true to the best of my knowledge.

Date:**Place:** Chitradurga**(OBAIAH.G.O)**