

I. PERSONAL DETAILS

1. Name of Teaching Faculty :Dr. REMANI K C
2. Designation :ASSOCIATE PROFESSOR
3. Department :DEPARTMENT OF CHEMISTRY
4. Address : PARAKUNNATH PARAMBIL, ANAKKARA (P.O), PALAKKAD (DT) KERALA, PIN - 679551
5. Contact No & email ID :(+91) 9496253096
6. Date of Birth : 30-12-1983

II. EDUCATION BACKGROUND

1. Qualifications : M.Sc., Ph. D.

| <i>Examinations</i> | <i>Name of the Board/ University</i> | <i>Year of Passing</i> | <i>% of marks</i> | <i>Division/ Class</i> | <i>Subject</i> |
|---------------------|--------------------------------------|------------------------|-------------------|------------------------------|------------------|
| Graduation | Calicut University | 2004 | 93.1 | First Class with Distinction | Chemistry |
| Post Graduation | Calicut University | 2006 | 81.6 | First Class with Distinction | Chemistry |
| UGC-NET | UGC-NET | 2006 | Qualified | Qualified | Chemical science |
| CSIR-JRF | CSIR-JRF | 2008 | Qualified | Qualified | Chemical science |
| Ph. D. | Calicut University | 2021 | | Qualified | Chemistry |

III. PROFESSIONAL DETAILS

1. Date of Entry in to service : 30-10-2008
2. Early Career : NONE
3. Academic /Teaching Experience : 17 years
4. Area of Specialization : Inorganic Chemistry, Kinetics, Spectroscopy, and Catalysis
5. Courses Taught : B. Sc., M. Sc.
6. Research Experience : 9 years

As project assistant in NIIST, Trivandrum
for one year, Submitted 13 M. Sc. Projects

7. Highlights of Professional Experience: NA

8. Professional Affiliations : NIL

Academic Honors & Awards :

Conference/Seminar/ Workshop Presentations :

1. Presented a paper entitled “Photocatalytic degradation of Norfloxacin under UV, visible and solar light using homogeneously precipitated cerium oxide nanoparticles” in the International Conference on Science and Technology of Advanced materials (STAM 20) on 16 January 2020 organized by Mar Athanasius College, Kothamangalam.
2. Presented a paper entitled “Cobalt doped ceria catalysts for the simultaneous removal of carbon monoxide and hydrocarbons” in the National Seminar on “CHEMISTRY: PAST, PRESENT AND FUTURE” conducted by the Research and PG Department of Chemistry, SNGS College Pattambi conducted on 21-11-2019 to 22-11-2019.
3. Presented a paper on “Manganese Doped Ceria-Zirconia and its Catalytic Activity Study on Soot Combustion” in the National seminar on “Emerging trends in Nanomaterials science and Technology” organized by Dept. of Chemistry, SNGS College, Pattambi.
4. Presented a paper entitled “Synthesis of Molybdenum Doped Ceria-Zirconia and its Catalytic Activity on Hydrocarbon Oxidation.” in the National conference on RECENT ADVANCES IN CHEMISTRY on 9 January 2017 organized by Post Graduate Department of Chemistry, Vimala College Thrissur.
5. Presented a paper entitled “Ceria-Zirconia Solid Solution: Synthesis and its Catalytic Activity Study on Benzyl Alcohol Oxidation” in UGC sponsored National seminar on RECENT ADVANCES IN NANOTECHNOLOGY (RAN – 2015) organized by Post Graduate Department of Chemistry, Sree Neelakanta Govt. Sanskrit College Pattambi during 29-30 January 2015.

9. Conferences attended details-year wise:

- (1) International Conference on Science and Technology of Advanced materials (STAM 20) on 14, 15 and 16 th January 2020 organized by Mar Athanasius College, Kothamangalam.
- (2) Two-day National Seminar on “**Chemistry: Past, Present and Future**” held at the Department of Chemistry, SreeNeelakanta Government Sanskrit College Pattambi sponsored by The Department of Collegiate Education, Government of Kerala, Thiruvananthapuram, on 21-22**November, 2019**.
- (3) Two-day National Seminar on “**Recent Trends in Material Science and Technology**” held at Department of Chemistry, SreeNeelakanta Government Sanskrit College, PattambiThe Department of Collegiate Education, Government of Kerala on 27-28 **November, 2018**.
- (4) National Workshop on “Computing Skills in Chemistry” organized by Dept. of Chemistry, Govt. Victoria College Palakkad on **18 November 2017**.
- (5) Two-day National Seminar on “Emerging Trends in nanomaterials science and Technology” held at the Department of Chemistry, SreeNeelakanta Government Sanskrit College Pattambi sponsored by The Department of Collegiate Education, Government of Kerala, Thiruvananthapuram, on 19-20 **December, 2017**.
- (6) National conference on RECENT ADVANCES IN CHEMISTRY organized by Post Graduate Department of Chemistry, Vimala College (Autonomous) Thrissuron **9 January 2017**.
- (7) Two-day Workshop on “**Computational Quantum Chemistry** ” held at the Department of Chemistry, SreeNeelakanta Government Sanskrit College Pattambi sponsored by The Department of Collegiate Education, Government of Kerala, , on04-05 **February, 2016**.
- (8) UGC sponsored National seminar on RECENT ADVANCES IN NANOTECHNOLOGY (RAN – 2015) organized by Post Graduate Department of Chemistry, Sree Neelakanta Govt. Sanskrit College Pattambi during **29-30 January**.

10. Publications :

| Sl. No | Details of Publication | Journal IF |
|--------|---|------------|
| 1. | K.C. Remani, N NBinitha, Cobalt doped ceria catalysts for the oxidative abatement of gaseous pollutants and colorimetric detection of H ₂ O ₂ , Materials Research Bulletin, 139,111253, 2021 | 4.019 |
| 2. | K.C. Remani, N NBinitha., “Photocatalytic degradation of norfloxacin under UV, visible and solar light using ceria nanoparticles”Materials Today:Proceedings 25 (2020) 246–251. | 0.965 |
| 3. | Remani K.C, Binitha N.N, “Fluorescence sensing of picric acid by ceria nanostructures prepared using fenugreek extract”, Journal of the Iranian Chemical Society. | |

IV. Other Activities

1. Additional Responsibilities :UG Admission Nodal Officer,
Chairman of Third and Fourth Semester MSc Chemistry Examinations

2. Other informations :

| RESEARCH PROJECTS COMPLETED | | | | |
|-----------------------------|--|----------------|---|--|
| SI No. | Title | Funding Agency | Amount & Duration | Principal investigator/ Co-investigator |
| 1. | Ceria Zirconia solid solution based three way catalyst: Application in diesel engine exhaust gas treatment | UGC | Rs. 190000/-, 1.5 Years 27-06-2014 to 27-12-2015 | Principal investigator |