

JOHN DEEPAK D'SOUZA, (Ph.D., Chemistry)

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CAREER OVERVIEW

- Ph.D. (Chemistry)** professional with **nearly 9 years** of experience in Fine Chemicals, Research & Development, Custom Synthesis, Manufacturing, Operations and Maintenance.
- Guest lecturer during 1996 – 1997(fulltime) with Department of Post Graduate Studies & Research in Chemistry, Mangalore University, Mangalore.**
- Demonstrated abilities in project planning and execution from Gram Scale R&D to Kg Level Synthesis.
- Carried out project work for Kaiga Atomic Power Project under the title '**Chemical Analysis of Water Characteristics Relevant to the Kaiga Atomic Power Project**'.

EMPLOYMENT RECITAL

The Growth Path

Dec'12 – present	Asst Prof, Dept of PG Chemistry, St. Aloysius College, Mangaluru
Aug'11 – Nov'12	Consultant with CABIS labs Pvt Ltd., Bangalore
Apr'08 – Jul'11	Senior Scientist, Sigma-Aldrich Chemicals Pvt. Ltd, (R&D and Custom/Bulk Synthesis)
Feb'06 - Mar'08	Senior Chemist and Individual Lab Lead, Sigma-Aldrich Chemicals Pvt. Ltd, (Bulk Custom Synthesis)
Feb'03 – Jan'06	Senior Research Associate and Team Lead, BioOrganics and Applied materials Pvt. Ltd, Bangalore (Custom Synthesis / R&D)

Key Deliverables(Industry)

Research & Development

- Synthesizing, identifying and processing of the experiments as per the specific objective of the research study.
- Designing various experiments for the study, documentation of data and report presentations and publications.
- Ensuring completion of projects on time and meet deadlines.
- Identifying, collecting, processing, analysing and cataloguing data according to established protocol, procedures & standards, as appropriate to specific objectives of the research study.
- Setting up, calibrating, operating and maintaining a variety of laboratory equipment.

Significant Highlights

- Conducted several PI (Process Improvement) Initiatives, thereby leading to significant savings in terms of cost, complexity and environmental impact.
- Managed a team for introducing several high value new products into Sigma-Aldrich Catalog such as 4-Vinylbenzocyclobutene, Several Air Sensitive Isocyanates, Silyl Compounds and Electronic Products viz. 1, 2, 3, 4, 5, 6, 7, 8 - Octafluoroanthraquinone and several of its Anthracene Derivatives.

TEACHING ASSIGNMENT

1996 – 1997 – Guest Faculty, Department of Post Graduate Studies & Research in Chemistry, Mangalore University.

December 2012 till date – Assistant Professor, Department of PG Studies and Research in Chemistry, St. Aloysius College(Autonomous), Mangaluru-575003

FELLOWSHIPS

- 3 years with **Nuclear Power Corporation of India Limited as Senior Research Fellowship.**
 - * **Sponsored Kaiga Research Project Title:** Chemical Analysis of Water Characteristics Relevant to the Kaiga Atomic Power Project.
 - This project focused on analysis of various chemical and biological parameters in water samples used for the cooling of nuclear reactors.
- Distinction of being awarded Junior Research Fellowship (JRF) at Mangalore University to carry out Doctoral Research in the Department of Post Graduate and Research in Chemistry leading to Ph.D Degree.

RESEARCH UNDERTAKEN

- Topic of Research:** 'A Correlation Study on Spectroscopic and Chemical Bond Parameters of some N-Chloro and Other Substituted Amides'

Scope of Research

The thesis presented and discussed the preparation of a number of Disubstituted Benzenesulphonamides and their corresponding N-Chloro Compounds. They are further characterised by recording their IR, NMR and NQR Spectra. This involved the study of the effect of various groups in the Benzene ring on the release of Cl⁺ in N-Chloro Compounds, Kinetic Studies on the Oxidation of Glycine, L-Alanine and Dimethyl Sulphoxide by some N-Chloro Compounds in Aqueous Acidic medium.

SCHOLASTICS

- Ph.D. (Chemistry)** from Mangalore University, Mangalore(2002).
 M.Sc. (Chemistry) from Mangalore University in 1996 with 64%.
 B.Sc. from Mangalore University in 1994 with 71%.

PERSONAL DOSSIER

Date of Birth : 23rd October, 1972.
Permanent Address : House No. 12-3-45B, Convent Road, Ajjarkad, Udupi – 576101, Karnataka
