

CHEMISTRY



NAME : **Dr. R. SELWIN JOSEYPHUS**

OFFICIAL ADDRESS : Assistant Professor, Department of Chemistry
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RESIDENTIAL ADDRESS : 17-45H, Jose Bhavan, Kazhuvanthittai, Kuzhithurai
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India

EDUCATION

Ph.D., Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, (March 2009).

M.Sc., Chemistry, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India, (April 2003).

B.Sc., Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, (April 2001).

EXPERIENCE

Teaching: ~7 years (BSc and, MSc)

Research: ~7 years

INDUSTRY~10 months- Southern Petrochemicals Industrial Corporation Limited (SPIC), Tuticorin, Tamil Nadu, India.

AREA OF RESEARCH : **Bioinorganic Chemistry**

AWARDS AND HONORS : **UGC`S-Dr. D. S. Kothari Post-doctoral Fellowship award (2010 - 2011)**
Best paper award in national seminar, 2010
Best paper award in national conference, 2014

MAJOR RESEARCH PROJECT UNDERTAKEN

Principal Investigator of major research project “**Studies on Biomedical Applications of Schiff Base Metal Complexes and their Antitumor Activities**”, funded by CSIR, Government of India, New Delhi (April 2012-March 2015), completed.

BOOK PUBLICATION

K.C. Bright, R. Selwin Joseyphus, "Cadmium: Organometallic Chemistry", **Encyclopedia of Inorganic and Bioinorganic Chemistry**, March 2014.

REVIEWER IN RESEARCH JOURNALS

Applied Organometallic Chemistry (John Wiley & Sons)
Spectroscopy Letters (Taylor & Francis Publication)
Spectrochimica Acta - Part A: Molecular and Bimolecular Spectroscopy (Elsevier Publication)
Journal of Molecular Structure (Elsevier Publication)

MEMBERSHIPS IN PROFESSIONAL BODIES

- Member, American Nano Society (ANS # 115081), USA.
- Life Member, Indian Council of Chemist (ICC -LF/939), Agra, India.
- Member, Indian Science Congress Association (ISCA-A3819), Kolkata, India.
- Member, Indian Chemical Society (ICS), Kolkata, India.
- Life Member, Association of Chemistry Teachers (ACT), Mumbai, India
- * Life Member, Indian Science Research Foundation (ISRF), India

RECOGNISED RESEARCH GUIDE

Ph.D Research Guide of University of Kerala, Trivandrum, Kerala, India

Ph.D students

1. Mrs. RESHMA R
2. Mrs. SIMI SAJU
3. Mrs. LIJI JOHN

LIST OF RESEARCH PUBLICATIONS

1. **R. Selwin Joseyphus**, C.J. Dhanaraj, M.S. Nair, *Synthesis and characterization of some Schiff base transition metal complexes derived from vanillin and L(+)-alanine*, **Transition Met. Chem.**, 2006, **31(6)**, pp. 699-702.
2. M.S. Nair, **R. Selwin Joseyphus**, *Synthesis and characterization of Co(II), Ni(II), Cu(II) and Zn(II) complexes of tridentate Schiff base derived from vanillin and dl- α -aminobutyric acid*, **Spectrochim. Acta A**, 2008, 70, pp. 749-753.
3. **R. Selwin Joseyphus**, M.S. Nair, *Antibacterial and antifungal studies on some Schiff base complexes of Zn(II)*, **Mycobiology**, 2008, **36(2)**, pp. 93-98.
4. **R. Selwin Joseyphus**, M.S. Nair, *Synthesis, characterization and antimicrobial*

activity of transition metal complexes with the Schiff base derived from imidazole-2-carboxaldehyde and glycylglycine, *J. Coord. Chem.*, 2009, **62(2)**, pp. 319-327.

5. M.S. Nair, **R. Selwin Joseyphus**, C.J. Dhanaraj, *Studies on Co(II), Ni(II), Cu(II) and Zn(II) complexes involving a bidentate Schiff base ligand*, *Polish J. Chem.*, 2009, **83**, pp.1529-1535.
6. J. Joseph, G.B. Janaki, K. Nagashri, **R. Selwin Joseyphus**, C.J. Dhanaraj, *Highly conjugated curcumin analog based copper complexes towards tuberculosis: Synthesis, characterization and antimycobacterial activity*, *BMC Infectious Diseases*, 2012, **12 (suppl 1)**, p. 51.
7. Y. Sindhu, C.J. Athira, M.S. Sujamol, **R. Selwin Joseyphus**, K. Mohanan, *Synthesis, characterization, DNA cleavage and antimicrobial studies of some transition metal complexes with a novel Schiff base derived from 2-aminopyrimidine*, *Synth. React. Inorg. Met.Org. Nano-Met. Chem.*, 2013, **43**, pp.226-236.
8. C.J. Dhanaraj, J. Johnson, J. Joseph, **R. Selwin Joseyphus**, *Quinoxaline based Schiff base transition metal complexes: Review*, *J. Coord. Chem.*, 2013, 66(8), pp.1416-1450.
9. **R. Selwin Joseyphus**, C. Shiju, J. Joseph, C.J. Dhanaraj, D. Arish. Synthesis, spectroscopic characterization and biological activities of Co(II), Ni(II), Cu(II) and Zn(II) complexes of Schiff base derived from imidazole-2-carboxaldehyde and 4-aminoantipyrine, *Spectrochim. Acta A*, 2014, **133**, pp.149-155.

RESOURCE PERSON

1. BIOLOGICAL APPLICATIONS OF CHEMISTRY, All Saints' College, Thiruvananthapuram, Kerala, 2012.
2. BIOCOORDINATION CHEMISTRY OF SOME TRANSITION ELEMENTS, UGC sponsored National Seminar, Sadakathullah Appa College (Autonomous), Tirunelveli, Tamil Nadu, August 2014.
3. BIOINORGANIC CHEMISTRY AND ITS BIOMEDICAL APPLICATIONS, National Seminar, Saradha College for Women, Tirunelveli, Tamil Nadu, 16 December 2014.
4. ROLE OF METAL IONS IN THERAPEUTICS, KSCSTE sponsored National Seminar, St. Albert's College, Ernakulum, 26 February 2015.

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