

CURRICULUM VITAE



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ACADEMIC QUALIFICATIONS

Course	Institution	Board / University	Year of Passing	% Marks
Ph.D. Chemistry	St. Joseph's College (Autonomous), Trichy.	Bharathidhasan University	2018	COMMENTED
M.Sc. Chemistry	St. Joseph's College (Autonomous), Trichy.	Bharathidhasan University	2013	68.5%
B.Sc. Chemistry	St. Joseph's College (Autonomous), Trichy.	Bharathidhasan University	2011	64.5%
HSC	Amala Annai Hr. Sec. School, T. Sindalai Cherry, Theni.	State Board	2008	57.1%
SSLC	Amala Annai Hr. Sec. School, T. Sindalai Cherry, Theni.	State Board	2006	74.4%

POST GRADUATE RESEARCH WORKS

SPECIALIZATION	PROJECT TITLE	GUIDE
Analytical Chemistry	Analysis of BaSO ₄ from Photographic Positive Paper	Dr. M. AMALADASAN, Associate Professor, Department of Chemistry St. Joseph's College, Trichy-2.

FIELD OF INTEREST IN RESEARCH ACTIVITIES

- **Coordination Chemistry** (Synthesis of New Metal Complexes with Mannich base ligands)

COMPUTER PROFICIENCY

1. MS-Office : MS Word, MS PowerPoint, MS Excel, MS Paint.
2. Miscellaneous : Computer fundamentals, Networking.
3. Software : Origin, X'pert High Score and Chemdraw

RESEARCH EXPERIENCE

- Seven years experience on the preparation and characterization of metal complexes with Mannich bases: Mannich base ligand was derived from the condensation reaction of aldehyde, aniline and amides. Metal complexes was synthesized by treating the Mannich base ligands with various transition metals such as Mn(II), Co(II), Ni(II), Cu(II) and Zn(II).
- Mannich base – metal complexes were investigated for the control of cancer cells growth.

WORKING EXPERIENCE

- I have three years and five months teaching experience at Loyola College of Arts and Science – Mettala, Namakkal District, Tamil Nadu.
- Date of Joining at Loyola College of Arts and Science – Mettala - 17-06-2017 to till date.

INVITED LECTURE

- Lecture on “**Preparation and characterization of metal complexes with new organic bases**” at St. Joseph’s College of Arts & Science for Women, Mookandapalli, Hosur which was held on 06.06.2018.

INSTRUMENTATION SKILLS

(Hands on experience on the following instruments)

- **XRD – X-Ray Diffraction Technique** – To analyze the crystal compounds, Powder samples and indexing through JCPDS data.
- **FT-IR – Fourier Transform Infra Red Spectroscopy** – To analyze the functional group of powder samples.
- **AAS – Atomic Absorption Spectroscopy** – To analyze the elemental composition of the compounds.
- **UV-Visible Spectroscopy** – To analyze the unknown compounds, concentration and band gap determination.
- **SEM/EDS – Scanning Electron Microscopy/Energy Dispersive Spectroscopy** – To analyze the morphology and elemental composition of compounds.

PAPERS PRESENTED AT NATIONAL/INTERNATIONAL CONFERENCES

1. “Phytochemical Screening and Antibacterial Activity of ethanolic extract of Terminalia Catapoa 1. Flowers-an Indian almond”, **M. Paul Johnpeter**, A. Paulraj and T. Ramachandramoorthy, Presented at the “**Phytocongress – 2013**” held at Sastra University, Thanjavur during 7-8th March 2013.
2. “Synthesis and characterization of new Mannich base ligand (SAP) and Co(II), Ni(II), Cu(II) and Zn(II) metal complexes”, **M. Paul Johnpeter**, D. Chelladurai and A. Paulraj, Presented at the “**Materials for Sustainable Future - ICMSF 2016**” International Conference held at Sastra University, Thanjavur during 14-15th July 2016.
3. “Exploration of transition metal complexes (Co, Cu and Zn) and their antimicrobial activity with a new Mannich base of N-[(2-hydroxy-phenyl)-phenylamino-methyl]-benzamide (SAB)”, **M. Paul Johnpeter**, V. Shangeetha and A. Paulraj, Presented at the “**Chemistry of Biomolecules - Current Trends**”

- and Future Perspectives ICCBCTFP-2016”** International Conference held at Holy Cross College, Trichy during 27-28th July 2016.
4. “Synthesis and Characterization of new Mannich base of 1-[(2-Hydroxy-Phenyl)-Phenyl Amino-Methyl]-Pyrrole-2-5- Dione (L) with some Transition Metal Complexes”, **M. Paul Johnpeter**, Presented at the **Recent Advances in Chemistry and Nanomaterials (RACN-2019)** held at Department of Chemistry, Sun Arts and Science College, Tiruvannamalai – 606 755 on 1st February, 2019.

WORKSHOP/SEMINAR

1. Participated one day “**State level workshop on green experimental techniques in chemistry**” held at PG and Research Department of Chemistry, St. Joseph College, Trichy on 5th December 2014.
2. Participated science academics sponsored three day lecture workshop on “**Emerging trends in chemistry**” held at PG and Research Department of Chemistry, St. Joseph College, Trichy during 18-20th December 2015.
3. Participated in the National level Seminar on “**Expanding Frontiers in Chemistry**” held at PG and Department of Chemistry, Arul Anandar College, Karumathur on 8th December 2017.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. “Synthesis and characterization of new Mannich base ligand (SAP) and Co(II), Ni(II), Cu(II) and Zn(II) metal complexes”, **M. Paul Johnpeter**, A. Paulraj, M. Yosuva Suvaikin and S.R. Bheeter, *Asian Journal of Biochemical and Pharmaceutical Research*, **5**(4), 2015, 209-217.
2. “Synthesis and characterization of new Mannich base of 1-[(2-hydroxy-phenyl)-phenyl amino-methyl]-pyrrole-2-5-dione (L) with some transition metal complexes”, **M. Paul Johnpeter** and A. Paulraj, *Int.J.ChemTech Res.*, **9**(2), 2016, 176-181.
3. “Exploration of transition metal complexes (Co, Cu and Zn) and their antimicrobial activity with a new Mannich base of N-[(2-hydroxy-phenyl)-phenylamino-methyl]-benzamide (SAB)”, **M. Paul Johnpeter** and A. Paulraj, *International Journal of Scientific & Engineering Research (IJSER)*, **7**(8), Aug. 2016, 114-117.

4. "Synthesis, Spectral Characterization and Biological Evaluation of Schiff Base Derived From 3-Methoxy Salicylaldehyde with Aniline and Its Transition Metals", A. Sebastin Thangadurai, **M. Paul Johnpeter**, R.Manikandan and A. Paulraj, *International Journal of Scientific & Technology Research*, Volume 9, Issue 03, March 2020, 5964-70, ISSN: 2277-8616. (Scopus)

5. "Synthesis, Structural Investigation and Antimicrobial Activities of A Novel Schiff Base-2 Methoxy-6-Phenyliminomethylphenol and Its Transition Metals", A. Sebastin Thangadurai, **M. Paul Johnpeter**, R.Manikandan and A. Paulraj, *Journal of Critical Reviews*, VOL 7, ISSUE 04, 2020, 2779-2790, ISSN: 2394-5125. (Scopus)

6. "Enhanced anticancer activity of potentially active Schiff base transition metal complexes derived from 3-Ethoxy-2-hydroxy-benzaldehyde and aniline", A. Sebastin Thangadurai, **M. Paul Johnpeter**, R.Manikandan and A. Paulraj, *Journal of Organometallic Chemistry*, ISSN: 0022-328X. (Communicated)

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