

STAFF PROFILE

Dr. J. Morris Princey
Vice Principal & Assistant Professor
PG & Research Department of Chemistry
Holy Cross College (Autonomous)
Tiruchirappalli - 620 002

E-mail: [morisprincey@gmail.com](mailto:morrisprincey@gmail.com)
[morisprincey@hcctrichy.ac.in](mailto:morrisprincey@hcctrichy.ac.in)

Mobile No: 9865479999



1. Professional Summary:

- ❖ Vice Principal and Assistant Professor in the Department of Chemistry of Holy Cross College, (Autonomous), Trichy -2 .
- ❖ Assistant Professor in the Department of Chemistry (Bishop Heber College) for *fifteen* Years (2002-2017)
- ❖ Inspired students to develop interest in chemistry and consider a career in the same field.
- ❖ Prepared students for paper presentations for various conferences at national and international levels.
- ❖ Extensive participation in committees and extra –curricular activities:
 - ❖ Member of the purchase committee of the department.
 - ❖ Member of the academic council for one consecutive year.
 - ❖ Staff in-charge for the department association activities.
 - ❖ Staff in-charge for the Parents-Teachers Meeting of the department.
 - ❖ Class Teacher in-charge for various classes.
 - ❖ Resource person for Fresher’s Orientation UG Programme- Basics of General Chemistry
 - ❖ Staff Co-ordinator of the Rotaract Club from 2018 to 2022.

2. Qualification: M.Sc., M.Phil., Ph.D.

3. Teaching Experience:

- ❖ Assistant Professor in the Department of Chemistry of Holy Cross College, (Autonomous), Trichy -2 from November -2017 till date
- ❖ Assistant Professor in the Department of Chemistry (Bishop Heber College) for *fifteen* years.

4. Academic Qualifications:

B.Sc. Chemistry

- Completed in May 1999 and placed in *First class with Distinction* with 77% of marks through Holy Cross College Trichy.
- Received the **First prize** for proficiency in English for two consecutive years (1996-98)

M.Sc. Chemistry

- Completed in April 2001 and placed in First Class with 71% of marks through Bishop Heber College, Trichy.
- Obtained *Twelfth Rank* at the University level.

M.Phil. Chemistry

- Completed in April 2005 and placed in *First Class with Distinction* with 80% of marks through Bharathidasan University, Trichy.

Ph.D in Chemistry

- Completed in March 2013 under the guideship of *Dr. (Mrs). Prabavathi Nagarajan*, Associate Professor & Head (Retd.), PG & Research Department of Chemistry, Bishop Heber College, Trichy-17.
- Title of the Thesis “A study of some organic heterocyclic compounds for their effective corrosion inhibitive nature on the aluminium metal; in alkaline medium.”

5. Subjects of expertise:

- Inorganic Chemistry
- Organic Chemistry
- Analytical chemistry
- Food Chemistry
- Nano-Chemistry
- Bio-polymers
- Environmental Chemistry

6. Core competencies:

- Resource Person for Orientation Programmes.
- Presented Papers in National and International Conferences
- Participation in Regional Conference on Pedagogy and Challenges in Service Learning
- Reviewer of many Reputed Journals.
- Certificate for Reviewing:**
 - Certificate of Excellence in Reviewing
Chemical Science International Journal
Certificate No: SDI/HQ/PR/Cert/71656/JMO
 - Certificate of Excellence in Reviewing
Journal of Pharmaceutical Research International
Certificate No: SDI/HQ/PR/Cert/72772/JMO

7. Leadership profile:

- Vice Principal, Holy Cross College (Autonomous) from June 2022.
- Nodal Officer for Food Safety and Standard Authority of India (*fssai*)
- Nodal Officer for Moovalur Ramamirthan Scholarship Scheme
- Flying Squad Member for Internal and External Examinations, Holy Cross College.
- Staff Coordinator of “The Rotaract Club of Holy Cross College” from June -2018 to June 2022.
- Teaching, Training and Developing Professional – Course Completion from Asian College of Teachers (Centre for Training & Professional Development)
- Core Committee member of NAAC.

- h) Extensive participation in committees and extra –curricular activities
- i) Member of the Purchase Committee of the department
- j) Staff in-charge for the Department Association activities.
- k) Staff in-charge for the Parents-Teachers Meeting of the department.
- l) External Examiner for M. Phil Viva Voce Examination.

8. Details of membership in professional bodies / resource person

1. Member of BOSE SCIENCE SOCIETY Pudukkottai, TamilNadu, India.
2. Organizer for Parents Teachers Meetings (Bishop Heber College).
3. Resource Person in the one day workshop on 'Cyclic Voltammetric Studies and its application' on 20th December 2008 (Bishop Heber College)
4. Resource Person in the one-day workshop on 'Basic Laboratory Skills' 1st December, 2017, Holy Cross College, Trichy-2.
5. Resource Person in the training Program for Teachers in Physical Chemistry Practicals, Holy Cross College, Trichy-2
6. Resource Person - Orientation for the Rotaractors of Holy Cross College, Trichy.
7. Member of Administrative Committee, Governing Body and Academic Council of Holy Cross College from June 2022

9. Orientations and Training programs Attended:

One Week Online National Faculty Development Program/ Refresher Course on "Enhancing Quality of Chemistry Education in India"	Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education.	7 days	25-02-2021 to 3-03-2021
Teaching, Training and Developing Professional – Course	Asian College of Teachers (Centre for Training & Professional Development)	4 days	6 th -9 th Jan 2020
11th IQAC Conference (ICON-2019)	Christhu Jayanthi College, Bengaluru.	2 days	13 th -14 th Nov 2019
One WEEK Online National Faculty Development Program on	Guru Angad Dev Teaching Learning Centre Sri Guru Tegh Bahadur Khalsa College University of Delhi	One Week	25 th Feb 2021 to 3 RD March 2021.

Enhancing Quality Of Chemistry Education in India			
In-Service Teacher Training Programme by Tamil Nadu State Council For Higher Education, Chennai	Thanthai Periyar Government Arts and Science College, Trichy-23	2 days	5.5.2022 to 6.5.2022
UGC -Sponsored Ninth Online Faculty Induction Programme	HRDC, Bharathidasan – University, Tiruchirappalli -620 023.	30 days	01.06.2022 to 30.06.2022
Refresher Course in Chemistry- Recent Trends in Chemistry.	UGC-HRDC, Madurai Kamaraj University, Madurai	15 days	7.10.2022 to 20.10.2022
Two days National Level FDP on Teaching Pedagogy and Online Resources and Tools	IOT Academy Coimbatore, Tamilnadu, Trichy	2 days	8 th and 9 th December 2022.
Refresher Course-Advanced Research Methodology	Teaching Learning Centre-Ramanujan College, University of Delhi	2 weeks	23 rd March to 5 th April 2024 (Grade obtained A+)
FDP on Recent Advances in Chemistry	Department of Chemistry SRM Easwari Engineering College(Autonomous)	6 days	24/6/2024 to 29/6/2024
National Level Online FDP on Technology Integration in Learning and Teaching	Internal Quality Assurance Cell, Seethalakshmi Ramaswami College, Trichy	6 days	19/8/2024 to 24/8/2024

10. **Paper Publications:**

1. J. Morris Princey, Prabavathi Nagarajan, Natural product *Cassia Auriculata* extract as the corrosion inhibitor for commercial mild steel in 1M HCl (partIII), IJEP, 31 (5),2011,376-380 ISSN NO: 0973-04X
2. J. Morris Princey, Prabavathi Nagarajan, Corrosion Inhibition of Aluminum using 3-Hydroxy flavone in the presence of Quaternary Ammonium salts in NaOH medium. J. Kor. chem. soc., 2012, Vol.56, No.2(201-206– ISSN- 1017-2548)
3. J. Morris Princey, Prabavathi Nagarajan - The corrosion inhibiting efficiency of a dimethoxyflavone on Aluminum in alkaline medium. Retell.Vol.12. No. 2(p21-25) April2012 – ISSN - 0973-404X

4. J. Morris Princey, Prabavathi Nagarajan The effect of an eco-friendly flavonoid compound on corrosion and adsorption process of Al in Alkaline medium. IJEP 32(6); (2012),491- 496 ISSN NO: 0973-04X
5. Morris Princey. J, Priya. V, Subbalakshmi .M, Priya Roseline. V, Kavitha .M– A Review On Recent Progress In The Synthetic Utility Of N- Halo Compounds And Their Biological Significance, Vol 6, Issue 12, Dec 2019
6. J. Morris Princey, A. Nandhini, E. Abinaya Anti-microbial and Corrosion Inhibition behavior of 3-Hydroxyflavone on Aluminum metal in the presence of halide ions in NaOH medium, International Journal of Innovative Science, Engineering and Technology, Vol. 7, Issue1, Jan 2020.
7. J. Morris Princey, A.Nandhini, E.Abinaya, Preparation and Characterization Studies of Amorphophallus paenifolius and Manihot esculenta as a bioplastic using glycerol and agar-agar as the plasticizer. Oriental Journal of Chemistry, Vol. 36, No(6), 2020.
8. J. Morris Princey, A. Nandhini, G. Poojadevi, S. Nobil Divya Antimicrobial Activity and Physicochemical Analysis of Bio-Degradable Films from Cucurbita Pepo and Musa Paradisiaca, Oriental Journal of Chemistry, Vol.37.No(6), 2021
9. J. Morris Princey, F. Virgina, L. Cathrine, Sebin Fernandez, Pratheema, Jerlin Philo, Mareeshwari and Harithasakthika, Isolation and Characterization of Diosgenin, A Phytosterol Sapgenin from the Ethanolic Root Extract of Coleus forskohlii and its Anti-Ovarian Cancer Efficacy on the SKOV-3 Cell line

11. Research and projects:

- Electrochemical Corrosion studies.
- Synthesis and Characterization of Nano-particles.
- Synthesis and Characterization of Bio-polymers.
- Guided M.Sc. Projects from 2009 and M.Phil. Projects.

12. Additional Achievements:

- Professor C.N.R.Rao Best Young Scientist Award on February 28, 2020, Sponsored by BOSE SCIENCE SOCIETY Pudukkottai, TamilNadu, India.
- Received the best paper award for the paper entitled “Bio-active polyphenolic compound as corrosion inhibitor for aluminium in alkaline medium” held at Prist University on 25th and 26th Feb-2010.
- Received the Best Supporting Coordinator Award, The Rotaract Cub of Holy Cross College Received the following awards for the year 2018-2019 Sahapatam Award for doing Kaja Cyclone Relief Activity, award for conducting Tobacco and cancer awareness rally, Award for Best Monthly Report, Award for Responsible citizens from The Rotaract District Organization.
- The Rotaract Club of Holy Cross College received the following awards for the year 2019-20
- Award for Best Installation of the Club.
- DRR Citation Award.
- Best Supporting Club Award.

- Special Award for Best Women Empowerment Project.
- Special Award for organizing the District Event Regional Forum- Garjana.
- Special Award for Official Visit Recognition.
- Award for the Best President of the Year- Rtr.Yoga Palanisamy
- Award for Outstanding Chairman
- District Rotaract Representative's Citation for 2021-2022.
- Academic Excellence Award 2022 from InSc (Institute of Scholars)

13.List of Presentation in Conferences and Seminars

S. No	Name of the Conference	Venue	Title of the Paper	Held on
1	UGC sponsored National Symposium on Recent Trends in Heterocyclic Chemistry	Jamal Mohamed College, Tiruchirappalli, Tamil Nadu.	A Study of Inhibition of Corrosion of Aluminium by Oxine in conjunction with Arsenious Oxide.	24 th September, 2004
2	Seminar on Current Trends in Chemistry	Lady Doak College (Autonomous), Madurai, Tamil Nadu.	Natural product Extract Hibiscus Syriaus Linn. as corrosion Inhibitor for mild steel in HCl.	5 th & 6 th February, 2007
3	National Conference on Recent Trends in Chemistry	Bishop Heber College Tiruchirappalli, Tamil Nadu	Isolation of Polyphenolics from <i>Peltophorum Ferruginem</i> by a Novel Method and its Corrosion Inhibitive Property.	12 th October, 2007
4	National Conference on Frontiers in Chemistry Research	Holy Cross College Tiruchirappalli, Tamil Nadu	Influence of <i>Glycyrrhizia Glabra</i> on the corrosion of aluminum in 1.0 N NaOH	5 th , December, 2008
5	Herbal Focus	Srimad Andavan, College Tiruchirappalli, Tamil Nadu	Eco- friendly Natural Product <i>Ficus Religios</i> as Corrosion Inhibitor for Aluminum in 1 N NaOH medium.	12 th March, 2009

6	National Seminar on Recent Advances in Bio-technology	Bishop Heber College, (Autonomous) Tiruchirappalli, Tamil Nadu	Inhibition Corrosion by the Traditional Medicinal Plant <i>Trigonella Foenum</i> (Fenugreek) on Aluminium in 2.0 N NaOH solution.	18 th March, 2009
7	National Conference on Recent Advances In Chemistry	Bishop Heber College, (Autonomous) Tiruchirappalli, Tamil Nadu	Corrosion Inhibition Study of Aluminum in 1N NaOH using Sulphonic Acid and Sodium Lauryl Sulphate	18 th March, 2009
8	International Conference on Green Chemistry and Sustainable Environment	Holy Cross College, (Autonomous) Tiruchirappalli, Tamil Nadu	An Eco – friendly Inhibitor as Corrosion Inhibitor for Aluminum in 1 N alkaline Medium	7 th & 8 th July, 2010
9	National Conference on Recent Advances in Electro Analytical Technique	Gandhigram Rural Institute Deemed University, Gandhigram, Dindigul, Tamil Nadu	Influence of Potassium Nitrate in conjunction with Oxine as Corrosion Inhibitor for Aluminum in Alkaline Medium	25 th February, 2010
10	International Conference on Herbs and Herbo mineral Formulations- PHYTOCONGRESS-2010.	Centre for Advanced Research in Indian System of Medicine, SASTRA University, Thanjavur, Tamil Nadu	Indian Medicinal Herb <i>Azadirachta indica</i> (Neem) as a Corrosion Inhibitor for Mild Steel in 2M HCl	6 th & 7 th February, 2010
11	International Conference on Bio technology, Food & Bio engineering Emerging Trends & Future Prospects	PRIST UNIVERSITY, Thanjavur, Tamil Nadu (III rd best paper)	Bio-active polyphenolic compound as corrosion inhibitor for aluminium in alkaline medium	26 th February, 2010
12	International Conference on Global Competitiveness in Biology, Chemistry and Environment: for a Better Tomorrow	Rev: Jacob Memorial College, Ambillikai, Ottenchathiram Tamil Nadu	Study of the Corrosion Inhibition Property of Tetramethoxy Flavone on Aluminum in Alkaline Medium	3 rd February, 2011

13	UGC Sponsored National Conference on Emerging Trends in Chemistry (NCETC-2012)	Bishop Heber College, (Autonomous) Tiruchirappalli, Tamil Nadu	The Corrosion Inhibiting Efficiency of Trimethoxy Flavone on aluminium in Alkaline Medium	11 th January, 2012
14	International Conference in synergy with materials and Biology (ICMB-2014).	Bishop Heber College, (Autonomous) Tiruchirappalli, Tamil Nadu	A study on the corrosion inhibitive Nature and Antimicrobial property of Nelumbo Nucifera Extract on Aluminum Metal in Alkaline medium	10-11 Jan, 2014
15	National seminar on recent trends in Chemistry	Sri Venkateshwara college of Arts & Science for Women	A study on the corrosion inhibitive nature and anti-microbial property of Solanum Xantocarpum extract on Al metal in alkaline medium	22 nd July 2014
16	National level Seminar On Recent Advances in Chemical Science and Technology	Vivekanandha College of Arts and Sciences for Women		5 th & 6 th February, 2015
17	National Conference on Recent Advances in Chemical Science (RACS-2015)	Gandhigram Rural Institute- Deemed University	Corrosion inhibition of aluminium using 3- hydroxy flavones in the presence of quarternary ammonium salt in NaOH	5 th & 6 th March 2015
18	3 rd National Conference on New Renaissance in Chemical Research (NCNRCR-2016)	SRM University, Chennai	The Corrosion inhibiting Efficiency of 3- hydroxy-2',4,5,- trimethoxy-2-phenyl chromen-4-one on Al in alkaline medium.	19 th August 2016.

19	Networking, Research and Innovation in Higher Education for a Sustainable Society; Challenges and Channels (ICNRI 2018)	Holy Cross College	Corrosion Inhibition of Aluminium using 3-hydroxy flavones in the presence of Halide ions in NaOH medium	25-27 th July 2018
20	Nano National Summit-Current Trends and Future Perspectives (NNSCTFP-2019)	Holy Cross College	Participation	9 th & 10 th January 2019
21	Role of Teachers in Teaching Learning and Curriculum Enrichment with Modern Technology	Maharashtra Union of Secular Teachers	Participation	14/5/2020 (Webinar)
22	A National Webinar on 'Corona Crisis: An Ambedkarite Perspective'	Ambedkar Study Circle SLC – Shyamlal College University of Delhi in collaboration with IQAC		Delhi 12 th May 2020 (Webinar)
23	International Faculty Development Program on Artificial Intelligence and IoT-Heuristic Transdisciplinary Perspectives	CICRSD – Holy Cross College, Trichy	Participation	Trichy 4 th - 10 th July 2020
24	UGC stride Component – I Capacity Building of Young Talent in Transdisciplinary Research for a sustainable development of Society (FDP-Web Series – III)	Holy Cross College (Autonomous)	Participation	13 th -18 th July 2020
25	Healthy Parenting Styles	Holy Cross College, Trichy	Participation	27 th May 2020

26	Andragogy on Online Teaching	IQAC, Holy Cross College, Trichy	Participated	29 th May 2020
27	Seed and Weed Nuturing Relationships	HCC Cares Webinar Series, Holy Cross College, Trichy,	Participated	2 nd June 2020
28	Risk Management in Time of Crisis	Holy Cross College, Trichy,	Participated	12 th June 2020
29	Combat The pandemic Stress through Yoga	Holy Cross College, Trichy,	Participated	21 st June 2020
30	International Faculty Development Program on Artificial Intelligence and IoT-Heuristic Trans disciplinary Prespectives	CICRSD –Holy Cross College, Trichy	Participated	4 th -10 th July 2020
31	UGC Stride Component –I Capacity Buiding of Young Talent in Transdisciplinary Research for a sustainable development of Society (FDP-Web Series –III)	Holy Cross College,	Participated	13 th -18 th July 2020
32	Adipattamumveetutho tamum	Ulavan Trust, Lalgudi, Trichy	Participated	20 th July 2020
33	The Implications of NEP 2020 for Higher Education and Role of Teachers	Holy Cross College, Trichy	Participated	25 th Aug 2020

34	Recent Development for Chemistry Teachers- National Webinar	Karunya Institute of Technology and Sciences, Coimbatore	Participated	5 th June 2021
35	Basic Sciences of MRI Contrast Agents- International Webinar	TBML College ,Porayur	Participated	12 th June 2021
36	The Role of Forensic Science in Human Life	G.V.G. Visalakshmi College for Women, Udumelapet	Participated	14 th June 2021
37.	Recent Advances on Emerging 3D Nano Materials for Real World Energy Technologies	Tranquebar Bishop Manickam Lutheran College, Porayar	Participated	26 th June 2021
38.	International Virtual Conference on Chemical Research For Sustainable Development (ICCRSD-2021)	SRM Institute of Science and Technology, Ramapuram Campus, Chennai - 89	A Study on Green Inhibitor on Corrosion Inhibition of Carbon Steel in Well Water.	24 th and 25 th September 2021
39.	UGC Sponsored Interaction Programme for Principals	UGC-Human Resource Development Centre & Council for College and Curriculum Development ,Bharathidasan University	Participated	26 th November 2022
40.	International Conference on Material Science for Sustainable Environment (ICMSSE-2022)	PG & Research Department of Chemistry , Holy Cross College, Trichy	Assesment of Water Quality in and around Trichy vis. Physical and Chemical parameters.	
41.	Two days International Level FDP on Teaching Pedagogy and Online Resources and Tools	IOT Academy	Participated	8 th & 9 th December 2022.

42	Chemistry beyond borders -A Global Webinar Series	SRM Institute of Science and Technology in association with Association of Chemistry Teachers(ACT), Mumbai	Participated	Chennai, From 18 th Dec to 23 rd Dec 2023.
43	8 th International Conference on Recent Advances in Chemical and Environmental Research (ICRACER 2023)	Participated	Jamal Mohamad College.	Trichy, 20 th December 2023.
44	The Evolving Landscape : Exploring Possibilities and Challenges for the Girl Child in a Dynamic World	Organizing Secretary	Holy Cross College, Trichy	Trichy 24 th January 2024
45	Recent Advances in Physical Sciences (ICRAPS-2024)	Phytochemical Analysis and Antimicrobial Study of Pterocarpus	Holy Cross College(Autonomous) ,Trichy	Trichy, 19 th and 20 th January ,2024

Member in Various Bodies:

- Life Member of Academic and Research Conclave
- Professional Member of InSc International Publishers
- Life Member of InSc.
- Life Member of Bose Scientific Society.

BOOK CHAPTER PUBLISHED (2021-22)

Name of the Book : NEW INNOVATIONS IN CHEMISTRY AND BIOCHEMISTRY Vol. 2
 Study of *Amoophophallus paeonifolius* and *Manihot Esculenta* as Bioplastics using Glycerol and Agar-Agar as Plasticizers: An Experimental Assay
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