

STAFF PROFILE

Name : **Dr.A.Xavier**

Designation : **Head and Associate Professor**

Address : **B-91 Tamil Nadu housing board Colony, Reserve line west, Sivakasi - 626 124.**

Phone Number : **04562254959**

Year : **2014-2019**

E-mail : **keerthixavi1968@gmail.com**

Mobile : **9486232875, 6383084295**

Education : **M.Sc., M.Phil., Ph.D.,**

Areas of specialization : **Inorganic chemistry and Bio-Inorganic chemistry- Binding with DNA molecules, Environmental chemistry**

Projects undertaken : **Nil**



DOB: 13.04.1968

DES: 19.06.2000

DRS: 31.05.2026

Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Annexure A				
Frontiers in Chemistry	14-15 th Feb 2013	UGC	National seminar	Convener
National seminar on Emerging trends in Chemistry	15.10.2014	UGC	National Seminar	Convener
Recent Trends in Physics and Chemistry	March 1 st 2017	UGC	National seminar	Convener
Frontiers in Chemistry	18 December 2017	UGC	State level seminar	Convener
International seminar on Frontiers in Chemistry	21.01.2019	UGC	International Seminar	Convener

Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Organization in which attended
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Annexure B				
SBK college	13&14 Feb-2015	UGC	National conference	Aruppukottai
Kalasalingam University	9 th Jan-2015		One day Workshop (IRC)	Krishnankovil
Recent Trends in Physics and Chemistry	March1 st 2017	UGC	National seminar	Madura college Madurai
Frontiers in Chemistry	18 December 2017	UGC	State level seminar	Madura college Madurai
International seminar on Frontiers in Chemistry	21.01.2019	UGC	International Seminar	Madura college Madurai

Guest lectures / Invited

1. Delivered a lecture entitled on **Applications of Nanoparticles in day today life** held on 10.01.2019, Department of Chemistry, Sri Meenakshi Govt Arts College for Women, Madurai-2.
2. Performed as Judge in 46 Jawaharlal Nehru Science, maths exhibition & Work Shop conducted by Govt of Tamil nadu on 22.11.18

Research Publications:

1. Adsorption of Reactive Green and Reactive Procion Orange dyes from the aqueous solution using Activated Carbons.
Dr. A. Xavier*, P.Muthuraman, M.Rajamani, B.Akila.
International Journal of Scientific & Engineering Research (IJSER) ISSN 2229-5518, Impact factor: 3.6.
2. Synthesis and characterization of 4-(3-bromo-5-chloro-2-hydroxybenzlidimino) benzoic acid and its transition metal complexes.
P. Gopu*, **Dr. A. Xavier**.
International journal of science and research (in press), ISSN 2319-7064 Impact factor: 4.2
3. Schiff base and its transition metal complexes.
Dr.A.Xavier*, P.Gobu, N.Srividhya
International Journal of Multidisciplinary Research and Development, 2015, 2, 134-138, ISSN: 2349-4182 Impact factor: 0.5
4. Synthesis Spectral Characterization of Schiff Base and Its Metal Complexes.

Dr.A.Xavier, N.Srividhya, P.Gobu

Indian Journal of Applied Research, 2015, 5, 19-22, ISSN - 2249-555X,

Impact factor: 3.6

5. Synthesis and Characterization of Schiff Base from 3, 5-DiChloroSalicylaldehyde with 4-Bromoaniline and 4-Aminobenzoic Acid and Its 1st Row Transition Metal Complexes
Dr.A.Xavier, P.Gobu, B.Akila, K.Suganya
International Journal of Innovative Research & Development, 2015, 4, 384-396,
ISSN 2278 – 0211, Impact factor: 3.2
6. Synthesis and study of Schiff base ligands
Dr.A.Xavier, N.Srividhya
International Organization of Scientific Research - Journal of Applied Chemistry,
2014, 7, 06-15, ISSN: 2278-5786, Impact factor: 1.2
7. Kinetics Isotherm equilibrium studies of Malachite green on Agricultural waste material and using Low cost carbon. Pandi Muthuraman, Mayathevar Rajamani, Arulantham Xavier. **International Journal of Chem Tech Research**,2017,ISSN : 0974-4290
Vol.10.No.10,pp 579-604
8. Antimicrobial Activities Of Schiff base Metal Complexes Of 4-Aminoantipyrene.N.Srividhya, Dr.Arulanantham Xavier. **International Journal of Research in Engineering& Advanced Technology**, Volume 4, Issue 6, Dec-Jan, 2017
ISSN: 2320-8791 (Impact factor: 2.317
9. Synthesis, Characterization, Cytotoxic studies and Anti-Microbial Evaluation of Metal complexes with a derivative of 4-Aminoantipyrene.N.Srividhya, Dr.A.Xavier . 2018
IJCRT, Volume 6, Issue 2 April 2018 ISSN: 2320-2882
10. Synthesis, Characterization and Biological Application of Novel metal Complexes.
Research Article, **International Journal of Current Research** Vol9, Issue, 12,
pp.62039,December,2017
11. Adsorption for Removal of Various Dyes from Aqueous solution Using Activated carbons and kinetics. M.Rajamani, A.Xavier, B.Akila **IOSR Journal of environmental Science, Toxicology and Food Technology** e-ISSN : 2319-2402p-ISSN: 2319-2399. Volume 11, Issue 7 Ver. II(July. 2017),PP 00-00
12. Adsorption of reactive Magenta and Methyl red from aqueous solutions using activated carbons. Rajamani mayathevar and Xavier Arulanandham, **International Journal of current research** Vol.10,Issue,08,pp.72565-72574, August 2018.
13. Synthesis, Spectroscopic Characterization,DNA Binding Ability and Activities of Transition Metal Complexes Containing Tridentate Schiff base.N.M.Abdul Khader Jailani, A.Xavier, A.Ramu,Materials today:Proceeding 5 (2018) 22200-22214.

14. Anti-Mircobial studies of newly synthesized transition metal complexes using Schiffbase Ligand (E) –N²- (Furan-2-YL Methylene) Pyridine 2,6-Dianine : R.Sathya & A.Xavier International Journal of Current Research Vol-10 Issue No.08, pp 72833-72842, ISSN 0975-833X, Aug 2018.

List of Papers published in Conference Proceedings:

1. A Study on adsorption of reacting Congo red and reactive magenta MB dyes using activated carbons from agricultural wastes.
Proceedings UGC Sponsored International Conference on Recent Advances in Chemical Sciences (RACS – 2015) GRI, Dindigul.
2. A Study on Adsorption of Reactive Procion Orange and Reactive Magenta MB Dyes using Activated Carbons from Agricultural Wastes.
3. Proceedings UGC Sponsored national Seminar on Frontier Areas in Chemical Technologies (FACTs – 2015) Alagappa University, Karaikudi. Dr.A.Xavier and his Research Scholars have presented 4papers oral/poster in International conference on Innovative Trends in Chemical science conducted by Department of Chemistry (PG) Devanga Arts and Science College, Aruppukottai.

NAME	TITLE	PRESENTATION
R.SATHYA	Spectral and Antimicrobial studies of Transition Metal complexes Amalgamated with newly Synthesized Schiff base ligand	Poster
K.INDRA	Synthesis and characterization of Schiff base transition metal complexes from 4-Aminobenzoic acid-2,4,6-trimethoxybenzaldimine	Oral
M.BHUVANESWARI	Synthesis, spectral characterization and cyclic voltammetry studies of biologically active new polydentate Schiff base metal complexes	Poster
S.SAKTHI VENI	Synthesis ,spectral characterization and invitro biological studies of Cu(II), Ni(II), Mn(II) and Ce(IV)Schiff base complexes	Poster

4. Dr.A.Xavier and his Research Scholars have presented 3papers (oral/poster) in

International conference on Modern Trends in Chemistry conducted by Department of Chemistry (PG) Vivekananda Arts and Science College, Tiruvedagam.

NAME	TITLE	PRESENTATION
R.SATHYA	Anti-oxidant studies of Novel Schiff base ligand and its metal complexes	Poster
R.SAKTHIVADIVEL	Compare the photocatalytic activity of transition metal complexes by using visible light	Poster
K.INDRA	Synthesis and study of Schiff base metal complexes	Poster

Research Activities

Degree	Awarded	Submitted	Doing
M.Sc.,	10		
M.Phil.	12		
Ph.D.,	2	2	7

Research Candidate Details

Ref.R6/Ph.D/Guide Recogn./Chemistry/2011/1181 (dated: 27.04.2011) in MKU Madurai. Prist University, Thanjavur.

S.No	Name of Candidates	Reg.No	Date of Registration	Awarded/Submitted
1	Mr.M.Rajamani	P3639	14.08.2014	Awarded
2	Mr.P.Muthuraman	P3604	18.07.2014	Awarded
3	Mr.N.M.Abdul khader Jailani	P3602	18.07.2014	Submitted

4	Mrs.N.Srividhya	P3605	18.07.2014	Submitted
5	Mrs.B.Akila	P3745	28.11.2014	Doing
6	Mrs.R.Sathya	P4261	19.12.2015	Doing
7	Mr.R.Sakthivadivel	P4484	17.03.2016	Doing
8	Ms.K.Indra	F10079	6.10.2018	Doing
9	Ms.M.Bhuvanewari	F10080	6.10.2018	Doing
10	Ms.S.Sakthi veni	F10078	6.10.2018	Doing
11	P.Gayathri	-	Appeared	Doing

Academic council/Board of Studies Member

Place (at where?)	For a period of	Department
Hajee Karutha Rowther Howdia college, uthamapalyam.	2013-2016	Chemistry
Arulanandhar college, Karumathur.	2013-2016	Chemistry
Kalasalingam university Krishnankoil	2015-2018	Chemistry

Question paper setting and valuation of examiner in various university and colleges

1. Madurai Kamaraj University, Madurai.
2. Thiagarajar Arts and Science College, Theppakulam, Madurai.
3. Arulanandhar College, Karumathur.