

## STAFF PROFILE



1) Name: DR.A.GUBENDRAN

2) Designation: Associate professor

3) Department: CHEMISTRY

4) Qualifications:

Academic: M.Sc; MPhil; PhD (SET, NET).

Additional: ----

5) Experience (in years): Teaching: 28

Research: 13

6) Area of Specialization: Bioinorganic chemistry

7) Contact: E-mail: gubendranca@gmail.com

Mobile Number: 9442879957

8) Grants Received (Conference/Workshop/Seminar/any other):

Event Title	Agency	Fund Received	Date
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9) Project Completed:

Project Title	Agency	Fund Received	Duration
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10) Project ongoing :

Project Title	Agency	Fund Received	Duration
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11) Research Guidance:

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	----	----
M. Phil.	14	----

12) Research Publications:

	International	National
Total Number of Publications	11	-----

List of International Publications: 11

List of National Publications: ---

13) Chapters in Books: ---

14) Other Publications (Proceedings): ---

15) Books Published: ----

(i) TRB Objective Chemistry-Topic wise Questions and Answers.

Royal Technical Publications ISBN 9789392571282. Edition: 2023

(ii) SET Paper –I Previous Years Questions and Answers. Jayalakshmi Publications. 140, Laser point Complex , Vasantha Nagar Madurai ISBN 978934193577 Edition: 2017

(iii) SET-Chemical sciences paper-II Previous Years Questions and Answers. Jayalakshmi Publications. 140, Laser point Complex, Vasantha Nagar Madurai ISBN 978934193584 Edition: 2017

16) Presentation in Seminar / Conference:

International: 0

National: 2

17) Participation in Conference: 2

18) Participation in Seminar: 2

19) Participation in Workshop: ---

20) Participation in Orientation Programme/ Induction Programme/ Short term Courses: 4

21) Participation in Faculty Development Programme: 2 years (PhD Programme)

22) Conference/ Seminar/ Workshop Organized:

23) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop: 10

24) Other Co-curricular / Administrative Responsibilities: RRC Coordinator, Dean for student's welfare, Members for question setting, Paper valuation, Practical examiner and question paper scrutiny in various college and University. Acting as a deputy controller of examination

25) Member in Board of Studies: 3

26) Editorial/ Review Board Member: ---

27) Membership in Professional Bodies: ---

28) Awards received: ---

29) Consultancy: ---

30) Patents:--

31) Any other information: ---

\* Note : Please provide the total Numbers and details for each metrics

- 1) Ammavasi Gubendran<sup>1</sup> , Periakaruppan Athappan<sup>2</sup>, Jegathalaprathaban Rajesh<sup>3</sup> Synthesis and characterization of water-soluble copper (II), Cobalt (II) and Zinc (II) complexes derived from 8- hydroxy quinoline-5-sulphonic acid: DNA binding and cleavage studies.*WILEY Applied Organic chemistry*2016.
- 2) Ammavasi Gubendran<sup>1</sup> , Periakaruppan Athappan<sup>2</sup>, Jegathalaprathaban Rajesh<sup>3</sup> New anthracene based Schiff base ligands appended Cu(II) complexes: Theoretical study, DNA binding and cleavage..*Applied organometallic chemistry*.2017.
- 3) Ammavasi Gubendran<sup>1</sup> , Periakaruppan Athappan<sup>2</sup>, Jegathalaprathaban Rajesh<sup>3</sup> Non enolisable knoevenagel condensate appended Schiff bases-metal (II) complexes: Spectral characteristics, DNA-binding and nuclease activities. *Spectrochimica Acta Part A: Molecular and biomolecular spectroscopy* 181 (39-49)2017.
- 4) Ammavasi Gubendran<sup>1</sup> , Periakaruppan Athappan<sup>2</sup>, Jegathalaprathaban Rajesh<sup>3</sup> Synthesis ,spectra and DNA interactions of certain mononuclear transition metal (II) Complexes of macrocyclic tetraaza diacetyl curcumin ligand.*Journal of molecular structure*.2012, 169-178.
- 5) M. Amutha<sup>1</sup>, **A.Gubendran**<sup>2</sup>, B.Jeyaprabha<sup>3</sup> and P.Prakash<sup>4</sup>A Study on Distribution of Major ions and Heavy Metals in Drinking Water of Govt. Kallar. Hr. Sec. Schools in Theni, Tamil Nadu, and Season wise \* *Journal of Applicable Chemistry* 2014, 3 (4): 1764-1775.
- 6) M.Amutha<sup>1</sup>, **A.Gubendran**<sup>2</sup>, B.Jeyaprabha<sup>3</sup>andP.Prakash<sup>4</sup> Environmental Hydro chemistry and genesis of fluoride in drinking water of Govt

kallar Hr. Sec Schools, in Dindigul District in Tamilnadu India. *IOSR Journal of Applied Chemistry* 2014,1( 6) 2278-5736.

7) M. Amutha<sup>1</sup>, **A.Gubendran**<sup>2</sup>, B.Jeyaprabha<sup>3</sup> and P.Prakash<sup>4</sup> Assessment of drinking water qualities using XLSTAT software. *RIJMR* 2015

8) Dr.M.Amutha<sup>1</sup>, J.Sivasakthi<sup>1</sup>, **Dr.A.Gubendran**<sup>2</sup> Studies on Metal Chelating Property and Pharmaceutical Applications of Curcumin Metal Complex *IOSR Journal of Pharmacy and Biological Sciences -JPBS* 2017 (12) 3. 72-77.

9) **Dr.A.Gubendran**\* Dr.M.Amutha<sup>3</sup>, P.Dhanasekaran<sup>2</sup>, Synthesis, characterization and pharmaceutical applications of Curcumin metal complex. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* 2016 11(5)2319-7676.

10) Dr.M.Amutha<sup>1</sup>, G.Elavarasi<sup>2</sup>, J.Sivasakthi<sup>2</sup> **A.Gubendran**

Synthesis, characterization and antimicrobial activity of multifunctional Graphene oxide - Curcumin scaffold. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* 2016 11(5) 2278-3008

11). **Dr.A.Gubendran**, Dr.G.Paruthimalkalaigan Electro chemical studies on porous Nickel oxide electrodes for the alkaline secondary battery systems. *Portugalia electro chemica acta* 2001, 6-23.

**Seminars/ Conferences / paper presented International**

**and National Level .**

Evidences are enclosed in ANNEXURE - iII

S.NO.	Name of the seminars / Conferences	Sponsoring agencies	Place and Date
1	Recent trends in material science	Alagappa University Karaikudi	Alagappa University Karaikudi 3-5-1999
2	National Workshop	DBT.	MKU 15,16-7-2005.
3	Recent advances in Inorganic and Nano Chemistry	MKU	MKU 29, 30-3 - 2010.
4.	International conference on functional materials.	DST-SERB	Thiagarajar college .Madurai. (2Days) 7,8-9-2017

Dr. A. GUBENDRAN

Title of M.Phil :

“ Electro chemical studies on porous Nickel oxide electrodes in alkaline solution for the secondary battery systems” *Guided by Dr.G.Paruthimalkalaignan, Alagappa University*

Title of Ph.D

“Spectral and electro chemical studies on DNA targeted metal complexes”  
*Guided by DrPR.Athappan, Madurai Kamaraj University.*

Articles published in International Journals connected with Ph.D research work