

PRINCIPAL INVESTIGATOR BIO DATA

1. **Name** : Dr.A.CYRIL
2. **Father's Name** : M.ARULSAMY
3. **Designation** : ASSISTANT PROFESSOR & HEAD
4. **Age & Date of Birth:** 53 & 02.06.1969
5. **Gender** : MALE
6. **Address for Communication** : 3C, MANMALAIMEDU III STREET, K.PUDUR, MADURAI.
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8. **Email- id** : cyrilchemistry@gmail.com



9. **Educational Qualification** : M.Sc., B.Ed., Ph.D.,

S.No.	Course	University/College	Year of Passing
01	Ph.D., CHEMISTRY	ALAGAPPA UNIVERSITY, KARAIKUDI.	2006
02	M.Sc., CHEMISTRY	St. JOSEPH'S COLLEGE, TRICHIRAPPALLI.	1997
03	B.Ed., PHY.SCIENCE	ALAGAPPA UNIVERSITY, KARAIKUDI	1994
04	B.Sc., CHEMISTRY	St. XAVIER'S COLLEGE, PALAYAMKOTTAI	1992

10. **Area of Specialization** : 01. MATERIAL SCIENCE

02. CORROSION CHEMISTRY

03. ELECTROCHEMISTRY

11.Experience: 25 YEARS

S. NO	Name of Organisation	Period		Year of Experience
		From	To	
01	RAJA DOURAISINGAM GOVT. ARTS COLLEGE, SIVAGANGAI.	26.12.2007	TILL DATE	15 YEARS
02	VELAMMAL COLLEGE OF ENGINEERING, MADURAI.	01.06.2007	25.12.2007	07 MONTHS
03	SETHU INSTITUTE OF TECHNOLOGY, MADURAI.	10.07.2006	17.02.2007	07 MONTHS
04	RAJA COLLEGE OF ENGINEERING, MADURAI.	28.06.2000	30.06.2006	06 YEARS
05	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI.	15.09.1999	27.06.2000	10 MONTHS
06	MOOKAMBIGAI COLLEGE OF ENGINEERING, TRICHY.	07.07.1997	14.09.1999	02 YRS & 02 MONTHS

12. Publications:

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
01	Galvano-Gasometry Investigation of Magnesium Anode	Bulletin of Electrochemistry 10(2004) 35.	0256-1654	2004
02	Corrosion of Rotating Electrode in Neutral Electrolyte.	Journal of Corrosion Science and Engineering, 5(2004)8.	1466-8858	2004
03	Biosorption of crystal violet from aqueous solution by pearl millet powder : Isotherm modeling and kinetic studies.	Journal of Applied Research in Water and Waste Water	2476-6283	2015
04	Photo-electrochemical water Splitting Behaviour of CdSeQuandum Dots Sensitised Ferroelectric	Asian Journal of Chemistry, Vol.30, No.9(2018),2091-2096.	0975-427X	2018

	PbTiO ₃ Perovskite Heterostucture.			
05	Global Warming – A Chemist Perspective	Journal of Phytology, I – 5, Feb., 2019, 2 (Suppl.)	2075-6240	2019
06	Corrosion Charecteristics of Hydrotalcite and Mg(OH) ₂ Surfaces of AZ31 Alloy Accomplished via Hydrothermal Surface Modification.	Asian Journal of Chemistry, Vol.31, No.7(2019),1585-1590.	0975-427X	2019
07	India 2030 Automotive Energy Scenario With Special Reference to Bio-diesel.	International Journal of Advanced Scientific Research and Management, Vol.4, Issue 6, June (2019).	2455-6378	2019
08	A Novel Method Applied to the Production of Bio-diesel From Neem Oil.	International Journal of Emerging Technologies, Vol.10(2), (2019),291-298.	2249-3255	2019
09	A New Process for the Production of Bio-diesel From Used Vegetable Oil.	International Journal of Engineering and Advanced Technologies, Vol.8, Issue-6,(August 2019).	2249-8958	2019
10	Corrosion Behaviour of Bare AZ31 Alloy and Mg(OH) ₂ @ AZ31 Alloy in the Presence of Inhibitors.	International Journal of Advanced Research inEngineering and Technology, Vol.11, Issue 12, (Dec.2020)395-405.	0976-6499	2020
11	Corrosion Behaviour of TaC Coated AZ31 Alloy	International Journal of Emerging Technologies, Vol.11(1),(2020) 370 -375.	2249-3255	2020
12	Fabrication of CdSe–SmCoO ₃ Photo- Anode for Photo-Electrochemical Water Application.	International Journal of Advanced Research in Engineering and Technology, Vol.11, Issue 12(Dec.2020)406 – 415.	0976-6499	2020.
13	Corrosion Behaviour of GeO ₂ and Sc ₂ O ₃ Coatings on AZ31 Alloy.	Oriental Journal of Chemistry, vol.31, No.(2) (2021)433-439.	2231-5039	2021
14	Corrosion Protective Behaviour of MoO ₃ and Y ₂ O ₃ Coated AZ31 Alloy.	Journal of Advanced Scientific Research, Vol.12(2)Suppl.1, (June 2021)	0976-9595	2021

15	Potentially Active Metal of Cobalt, Copper and Zinc Complexes Derived From Schiff Base Ligand of 3-Ethoxy-2-Hydroxy-Benzaldehyde and Aniline for Their Anticancer Activity.	Journal of Advanced Scientific Research, Vol.13(2)(2022) 76-84.	0976-9595	2022
16	ZnO and Alkaline Earth Metal(Mg) Doped ZnO Nanoparticles for Antibacterial Activity Structural and Thermal Studies.	Journal of Advanced Scientific Research, Vol.13(3)(2022) 190-193.	0976-9595	2022
17	Corrosion Characteristics of BaTiO ₃ Perovskite Coatings on AZ31 Alloy.	Mapana Journal of Science, Vol.21, No.3(2022).	0975-3303	2022
18	CT-DNA Interaction, Fluorescence Binding and Microbial Activities of Schiff Base Ligand Metal Complexes Derived From 4-bromobenzaldehyde and 2-amino-6-methyl benzothiazole.	Mapana Journal of Science, Vol.21, No.4(2022).	0975-3303	2022

13. Paper Presented in Conferences/ Seminar:

S.No.	Title	Institution	Date & Year
01	Photo-electrochemical water Splitting Behaviour of CdSe Quantum Dots Sensitised Ferroelectric BaTiO ₃ Perovskite Heterostructure.	RAMEER-2018, VHNSN College, Virudhunagar, Tamilnadu.	28.06.2018 to 29.06.2018
02	Electrochemical Behaviour of AZ31 Alloy in K ₂ SO ₄ and MgSO ₄ Electrolytes	VOC College, Tuticorin, Tamilnadu.	27.12.2018
03	Electrochemical Behaviour of Hydrothermally Surface Modified AZ31 Alloy.	Manonmaniyam Sundaranar University, Thirunelveli, Tamilnadu.	30.01.2019 to 31.01.2019.
04	Corrosion Characteristics of CeO ₂ Dispersed of AZ31 Alloy.	Mohamed Sathak Engineering College, Kilakarai, Ramnad,, Tamilnadu.	24.01.2020

14. Seminar / Conference / workshop / Attended:

S.No.	Institution	Date & Year
01	Fatima College (Autonomous), Madurai – 18.	19.09.2008.
01	“Global Skill Enhancement Programme” Infosys – Mysore.	21.12.2008 to 03.01.2009.
02	“Faculty Training & Motivation Program”, CSIR – CECRI, Karaikudi.	08.09.2014 to 10.09.2014.
03	Kudankulam Nuclear Power Project, Dept. of Atomic Energy, Govt. of India & Raja Doraisingam Govt. Arts College, Sivagangai	05.02.2016.
04	Mohamed Sathak Engineering College, Kilakarai, Ramnad – Dt.	23.01.2020 to 24.01.2020
05	University of Madras, Chennai-600 005.	28.01.2020
06	National College, Trichirappalli & AVVM Sri Pushpam College, Poondi, Thanjavur.	19.05.2022 to 21.05.2022.
07	Arul Anandar College (Autonomous), Karumathur, Madurai – Dt.	15.02.2023 to 16.02.2023.
08	Alagappa University, Karaikudi – 630 003.	16.02.2023 to 18.03.2023.

15. Details of Research Projects:

Title	Sponsoring Agency	Amount	Responsibility

16. Ph.D Guidance/Supervisorship:

Name of scholar	Course	Area of research	Status
D.SOUMYA RANI	Chemistry	Energy	Degree Awarded
A.DHANALAKSHMI	Chemistry	Corrosion Science	Degree Awarded
A.BALASUNDARAM	Chemistry	Energy	Degree Awarded
L.SUTHA	Chemistry	Corrosion Science	Degree Awarded
Y.L.RAJAMOHAN	Chemistry	Corrosion Science	Doing
G.SENTHAMILSELVAN	Chemistry	Metal Complexes	Doing
M.K.ANITHA	Chemistry	Energy	Doing
N.PRASANNA	Chemistry	Metal Complexes	Doing

17. Seminar/ Conference/ Workshop Organised:

S.No.	Topic	Institution	Date
01	Workshop on “Emerging Trends in Electrochemical Science & Technology”, ETEST- 2006.	CSIR-CECRI, Karaikudi & Raja College of Engineering, Madurai.	17.03.2006 to 18.03.2006.
02	In-Service Training Programme for Science Teachers of Sivagangai District.	Raja Douraisingam Govt. Arts College, Sivagangai.	04.02.2019 to 08.02.2019.
03	Workshop on The Art of Thesis Writing , Preparing the Research Paper and Write the Research Proposal.	Raja Douraisingam Govt. Arts College, Sivagangai.	04.03.2020
04	The Crystal Field Theory	Raja Douraisingam Govt. Arts College, Sivagangai.	07.08.2020
05	Environment and Development	Raja Douraisingam Govt. Arts College, Sivagangai.	13.08.2020
06	Polymers and Their Applications.	Raja Douraisingam Govt. Arts College, Sivagangai.	21.08.2020
07	Chemistry Behind Rockets.	Raja Douraisingam Govt. Arts College, Sivagangai.	24.08.2020
08	Advances in Chemistry of Nanostructured Materials.	Raja Douraisingam Govt. Arts College, Sivagangai.	13.04.2022
09	Awareness on Health, Self- Safety & Law Protection for Young Girls.	Raja Douraisingam Govt. Arts College, Sivagangai.	21.02.2023
10	Role of Chemistry in Protecting Environment and Achieving Sustainable Development – Towards Realizing the Vision of G20 Countries.	Raja Douraisingam Govt. Arts College, Sivagangai.	03.03.2023

18. webinar Attended

Sl.No	Topic And Organizing Institution	Date

19. Orientation/Refresher/FDP/STP/MOOCs Attended

Sl.No	Name of the Programme	University	From	To
01	Orientation Course in Chemistry	MK UNIVERSITY, Madurai.	26.12.2007	24.01.2008
02	Refresher Course in Chemistry	MK UNIVERSITY, Madurai.	10.11.2010	30.11.2010.
03	Refresher Course in Basic Sciences.	MK UNIVERSITY, Madurai.	09.03.2018	29.03.2018
04	Refresher Course in Environmental Sciences	MK UNIVERSITY, Madurai.	10.03.2021	23.03.2021

20. Resource Person:

Sl.No.	Topic	Delivered at	Period
01	INVITED LECTURE ON "GLOBAL WARMING"	PRIST University, Arasanoor, Madurai Campus.	13.02.2019
02	FACULTY DEVELOPMENT PROGRAMME	PRIST University, Arasanoor, Madurai Campus.	25.01.2020

21. Members in Organization's: LIFE FELLOW, SAEST, CSIR-CECRI, Karaikudi.

22. Other Positions/Achievements:

01. Placement Officer, From 2008 – 2010, R.D.Govt. Arts College, Sivagangai.
02. Co-ordinator, Campus Interview on 29.10.2008, Emergency Medical Technicians-108, EMRI, Hyderabad.
03. Co-ordinator, Job Fair – 07.12.2008, at Sree Meenakshi College for Women (Autonomous), Madurai, Organised by Directorate of Collegiate Education, Tamilnadu.

04. Delivered Guest Lecture -“Interview Techniques” on 01.04.2010,at Sethupathy Govt. Arts College, Ramnad.
05. Officer on Special Duty, NIOS Exam, From 22.11.2010 to 25.11.2010,at KendriyaVidyalya, Sivagangai, National Institute of Open Schooling, Ministry of HRD, Govt. of India.
06. Head, Dept. of Chemistry, From 02.02.2011 to Till Date.
07. Guest Speake -“Educational Fair” at Madurai ,conducted by Dhinakaren News Paper, on 21.04.2012.
08. Faculty in charge – PWD Works at College from 07.11.2012 to 30.03.2014.
09. Chief Superintendent, University Exams, April-2013 &November – 2018.
10. Member,M.Sc.,Board of Studies, From -2011 to Tili Date, Alagappa University, Karaikudi.
11. Member, M.Phil, Board of Studies, From -2011 to Till Date,Alagappa University, Karaikudi.
12. Guest Speake -“Educational Fair” at Sivagangai, conducted by PeriyarManiyammai University, Thanjavur, on 12.04.2015.
13. Chief Guest – “All Association Inuguration” at Ananda College, Devakottai, Sivagangai – Dt, on 17.07.2015.
14. College Sports Committee Member- From 01.01.2021 to Till Date.
15. Member, M.Sc., Board of Studies-2022, Sree Meenakshi College for Women (Autonomous), Madurai.
16. Organiser – On Campus Interview for Chemistry Graduates on 05.11.2022, Orchid Pharma Company, India.

10. Details of Research Projects being implemented / completed / submitted by the Investigator(s) / Co-Investigators including Investigator(s) Name & Institute

NIL

11. Any other relevant Matter : NIL