



Raja Doraisingam Government Arts College

(Affiliated to Alagappa University, Karaikudi)

Sivagangai-630561



FACULTY PROFILE

1. Name : Dr.P.KARTHIKA
2. Father's Name : C. Palanisamy
3. Designation : Guest Lecturer / Chemistry
4. Age & Date of Birth : 31 & 20.05.1990
5. Gender : Female
6. Address for Communication : W/O S. Baskar
194/5, Perumalkovil back site,
Kayampunjai, Ponnamaravathi,
Pudukkottai (Dist), Tamil Nadu,
India, Pin: 622407.
7. Phone No : +91 7708780961
8. Email- id : karthichem14@gmail.com



9. Educational Qualification : M.Sc., Ph.D.

S.No.	Course	University/College	Year of Passing
1	Ph.D.	Alagappa University, Karaikudi.	November 2022
2	M. Sc Chemistry	M.R.G govt arts college, Mannargudi, Affiliated to Bharathidasan University	April 2012
3	B. Sc Chemistry	Thiru. Vi. Ka govt arts college, Thiruvarur, Affiliated to Bharathidasan University	April 2010
4	12 th	Sri GRM Girls Higher Secondary School, Thiruvarur.	March 2007
5	10 th	Sri GRM Girls Higher Secondary School, Thiruvarur.	March 2005

10. Area of Specialization : Electrochemistry, Organic and Nanoparticlessynthesis.

11.Experience:

Period	Position Held	Institution	Department / Classes
18.01.2023 to till date	Guest Lecturer/ Chemistry	Raja Doraisingam Govt. Arts College, Sivagangai	M.Sc, and B.Sc., Chemistry
21.11.2013 to 20.11.2018	Junior Research Fellow	Department of Industrial Chemistry, School of Chemical Sciences, Alagappa University, Karaikudi 630 003.	Basic Scientific Research, UGC, New Delhi.

12.Publications:

S.No.	Title/Authors	Name of the Journal	ISSN /ISBN/E_ISSN	Year
1	Molecularly imprinted polymer-based electrochemical sensor for the determination of endocrine disruptor bisphenol-A in bovine milk, P. Karthika , S. Shanmuganathan, Cristina Delerue-Matos and S.Viswanathan.	Food chemistry, 363 (2021) 130287	0308-8146	2021
2	Electrochemical sensor for picric acid by using molecularly imprinted polymer and reduced graphene oxide modified pencil graphite electrode, P. Karthika , S. Shanmuganathan and S.Viswanathan.	Proceedings of the Indian National Science Academy, 88, 263–276 (2022)	3700046	2022

13.Paper Presented in Conferences/ Seminar:

S.No.	Title	Name of the Conference/Seminar/ Work-Shop & Institution	Date & Year
1	“Electrochemically modified molecularly imprinted polymer based sensor for picric acid”	In the international Conference on “Recent Advances in Textile and Electrochemical Sciences-2013 (RATES-2013)” Organized by the Department of Industrial Chemistry, School of Chemical Sciences, Alagappa University, Karaikudi.	21-23, March 2013
2	Bismuth nanoparticles deposited electrode for determination of lead in bovine milk.	National Seminar on “New opportunities and challenges in chemical research” (NOCCR 2014), A.V.V.M. Sri pushpam college, Poondi, Thanjavur, Tamilnadu.	29 th & 30 th December 2014,
3	Molecularly imprinted polymer based electrochemical sensor for bisphenol A	International Conference on “Energy, Water and Environmental Science & Technology” (ICEWEST–2015, PG and research department of chemistry, Presidency College, Chennai, Tamilnadu,	5 th & 6 th February 2015

4	Molecularly imprinted polymer based voltammetric sensor for Hydrocortisone	National Seminar on “Frontier Areas in Chemical Technologies – 2015” (FACTs - 2015), Department of Industrial Chemistry, School of Chemical Sciences, Alagappa University, Karaikudi, Tamilnadu,	6 th & 7 th March 2015
5	Gold Nano particles modified molecularly imprinted polymer for electrochemical monitoring of Thyroxine	International conference on nanomaterials for energy, environment, catalysis and sensors (ICNEECS-15), Department of physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai, Tamilnadu.	11-12, December 2015
6	Electrochemical sensor for cefotaxime based on gold modified molecularly imprinted polymer	International conference on Frontier Areas in Chemical Technologies - 2016 (FACTs - 2016), Departments of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi, Tamilnadu.	21-23, March 2016
7	Molecularly imprinted polymer based electrochemical sensor for Dexamethasone	International conference on chemical and environmental research – 2017, (ICCER-2017), Department of chemistry, Jamal Mohamed College (Autonomous), Trichy, Tamilnadu,.	7, January 2017,

14.Seminar / Conference / workshop / Attended:

S.No.	Name of the Conference/Seminar/ Work-Shop & Institution	Date
1	10 th Mid-Year Chemical Research Society of India (CRSI) Symposium in Chemistry, National Institute of Technology & Bharathidasan University, Trichy, Tamilnadu.	23-25, July 2015
2	National Workshop on Materials chemistry for Future Industrial Development (MATCH FIND - 2017), Department of Industrial Chemistry, School of Chemical Sciences, Alagappa University, Karaikudi, Tamilnadu.	6-7, January 2016

15. Details of Research Projects:

Title	Sponsoring Agency	Amount	Responsibility
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16.Ph.D Guidance/Supervisorship:

Name of scholar	Course	Area of research	Status
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17.Seminar/ Conference/ Workshop Organised:

S.No.	Topic	Institution	Date
1	----	--	--
2			

18. webinar Attended

Sl.No	Topic And Organizing Institution	Date
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19.Orientation/Refresher/FDP/STP/MOOCs Attended

Sl.No	Name of the Programme	University	From	To
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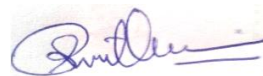
20.Resource Person:

Sl.No.	Topic	Delivered at	Period
1	---	----	----
2			
3			

21.Members in Organization's : : ----

22.Other Positions/Achievements: : ---

- Qualified in **Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET)** held on 21-12-2014 in the subject of **CHEMICAL SCIENCES**.



Signature

(P. KARTHIKA)