



Raja Doraisingam Government Arts College

(Affiliated to Alagappa University, Karaikudi)

Sivagangai - 630561



FACULTY PROFILE

- Name** : Dr. A. Palanimurugan
- Father's Name** : K. Arumugam
- Designation** : Guest Lecturer/Chemistry
- Age & Date of Birth** : 42 & 15.03.1981
- Gender** : Male
- Address for Communication** : 1/41, Mukkudi, Ambalathadi Post
Thiruppuvanam Via, Sivagangai Dist - 630 611
- Phone No** : +91-9789186683
- Email- id** : arumugampalanimurugan@gmail.com
- Educational Qualification** : M.Sc., M.Phil., B.Ed., SET, Ph.D.,



S.No.	Course	University/College	Year of Passing
1	Ph.D., (Chemistry)	Alagappa University, Karaikudi	22 nd June 2018
2	SET	MTWU, Kodaikanal	4 th March 2018
3	B.Ed.,	IGNOU, New Delhi	December 2009
4	M.Phil., (Chemistry)	Periyar University, Salem	Aug / Nov 2009
5	M.Sc., (Chemistry)	NMS. SVN. College, MKU, Madurai	November 2006
6	B.Sc., (Chemistry)	RDGA College, Sivagangai, MKU	April 2001

- Area of Specialization** : Inorganic Chemistry & Nanomaterials

11. Experience : 18 Years 2 Months (10 Years and 2 Months in College, 5 Years in Polytechnic & 3 Years in Schools)

S. NO	Name of Organisation	Period		Year of Experience
		From	To	
1	Raja Doraisingam Government Arts College, Sivagangai	02.01.2013	Till Date	10 Years 2 Months
2	Nagasiva Polytechnic College, Madurai-9	2007	2012	5 Years
3	Idhayam Rajendran Residential School, Madurai-9	2006	2007	1 Year
4	Keren Matriculation Hr. Sec. School, Checkanurani	2004	2006	2 Years

12. Publications:

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1	Studies on Schiff base transition metal complexes derived from benzyl, <i>p</i> -nitroaniline and 2, 2'-bipyridyl. A.Kulandaisamy, A.Palanimurugan	Journal of Chemical and Pharmaceutical Research, 7(10S), 111-119, 2015.	0975-7384	2015
2	Synthesis, spectral, redox and antimicrobial activities of mixed ligand complexes derived from 1-phenyl-2,3-dimethyl-4-iminobenzylidene pyrazol-5-one and dimethylglyoxime. A.Palanimurugan , V.Sudharkani and A.Kulandaisamy	Journal of Nanoscience and Technology, 2(5), 204-208, 2016.	2455-0191	2016
3	Structural, morphological, optical and antibacterial activity of rod-shaped zinc oxide and manganese-doped zinc oxide nanoparticles. A.Dhanalakshmi, A.Palanimurugan and B.Natarajan	Pramana Journal of Physics, 87(57), 1-9, 2016.	0304-4289	2016
4	Enhanced Antibacterial effect using carbohydrates biotemplate of ZnO nano thin films. A.Dhanalakshmi, A.Palanimurugan and B.Natarajan	Carbohydrate Polymers, 168, 191-200, 2017.	0144-8617	2017
5	Biological screening studies of DNA relate metal complexes from Benzylidene-4-imino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one and 2-aminothiazole. A.Palanimurugan , A.Kulandaisamy	Asian Journal of Chemistry, 30 (3), 594-692, 2018.	0970-7077	2018

6	DNA, In vitro antimicrobial/anticancer activities and biocidal based statistical analysis of Schiff base metal complexes derived from salicylalidene 4-imino-antipyrine and 2-aminothiazole. A.Palanimurugan, A.Kulandaisamy	Journal of Organometallic Chemistry, 861, 263-274, 2018.	0022-328x	2018
7	Efficacy of Saccharides bio-temple on Structural, Morphological, Optical and Antibacterial property of ZnO Nanoparticles. A.Dhanalakshmi, A.Palanimurugan and B.Natarajan	Materials Science and Engineering: C Materials for Biological Applications, 90, 95-103, 2018.	0928-4931	2018
8	Synthesis, characterization, antimicrobial and anticancer activities of 14-membered fully conjugated macrocyclic Schiff base metal complexes. A.Palanimurugan, A.Kulandaisamy	Asian Journal of Chemistry, 30 (6), 1262-1268, 2018.	0970-7077	2018
9	Removal of mono/divalent metal ions from cationic matrices blended with sulphonated cassia angustifolia vahl carbon for low cost ion exchange resins. A. Palanimurugan and D. Ragavan	Indian Journal of Applied Research, 9 (2), 65-67, 2019.	2249-555X	2019
10	Electrochemical behavior, structural, morphological, Calf Thymus-DNA interaction and in-vitro antimicrobial studies of synthesized Schiff base transition metal complexes, A.Palanimurugan, A.Dhanalakshmi, P.Selvapandian and A.Kulandaisamy	Heliyon, 5 (7), 1-10, 2019.	2405-8440	2019
11	Perchlorate Contamination Assessment and Hypothyroidism in Rat Studies using water samples collected around Kovil Patti, Tuticorin District of Tamil Nadu, India, B. Karthikprabu, A. Palanimurugan, A. Dhanalakshmi, K. Kannan and S. Thangadurai	Microchemical Journal, 154, 104570, 1-7, 2020.	0026-265X	2020
12	Green synthesis of Cynodon Dactylon capped concentrations on ZnO nanoparticles for antibacterial activity, ROS/ML-DNA treatment and compilation of best controlling microbes by mathematical comparisons T. Meenatchi, A. Palanimurugan, A. Dhanalakshmi, V. Maheshkumar and B. Natarajan.	Chemical Physics Letters, 137429, 2020.	0009-2614	2020
13	ZnO and alkaline earth metal (Mg) doped ZnO nanoparticles for antibacterial activity, structural and thermal studies G.Senthamilselvan, A.Palanimurugan, A. Dhanalakshmi and A. Cyril*	Journal of Advanced Scientific Research, 13(3): 190-193.	0976-9595	2022

14	Effective removal of methylene blue from aqueous solution by sulphonated solanum virginianum carbon V. Maheshkumar, D. Ragavan, A. Palanimurugan and P. Selvapandian*	Journal of Advanced Scientific Research, 13(3), 1-8.	0976-9595	2022
15	Limnological studies and analysis of wet soil land and pond water around Mukkudi village of Sivagangai district, Tamilnadu, India M. Sureka, A. Palanimurugan , B. Sithi Asma, S. Boominathan*	Journal of Advanced Scientific Research, 13(5): 79-84.	0976-9595	2022
16	Bio-protein fuctionalization of ZnO nanoparticles using chicken egg albumin and bovin serum albumin for enrichment bioactivity A. Dhanalakshmi, B. Natarajan, D. Ragavan, A. Palanimurugan *	Materials Today: Proceedings, 68(3), 506-514.	2214-7853	2022
17	Synthesis and characterization of favored transition metal ions using Datura metel seed extracts and its better antimicrobial activity B. Sithi Asma, A. Palanimurugan , A. Dhanalakshmi, S. Thangadurai*	Materials Today: Proceedings, 68(3), 515-522.	2214-7853	2022
18	CT-DNA interaction, Fluorescence binding and Microbial activities of Schiff base ligand metal complexes derived from 4-bromobenzaldehyde and 2-amino-6-methylbenzothiazole G.Senthamilselvan, A.Palanimurugan , B. Sithi Asma and A. Cyril*	Mapana Journal of Sciences, 22 (1).	0975-3303	2023

13. Paper Presented in Conferences/ Seminar:

S.No.	Title	Institution	Date & Year
1	Recent Development of Bio-Inorganic Chemistry in Medicinal fields	National conference on RDBICM-2015, Mohamed Sathak Engineering College, Kilakarai, Ramnad.	28.08.2015 & 29.08.2015
2	Modern Trends in Chemistry	International Conference on Modern Trends in Chemistry at Vivekananda College, Madurai.	23.02.2018
3	New Vistas in Material Science	International Conference on NVMS-2019 at Seethalakshmi Achi College for Women, Sivagangai, Pallathur.	12.09.2019
4	Advanced Material and Nanotechnology	International Conference on ICAMN-2020 at Auxilium College of Arts and Science, Regunathapuram, Karambakkudi, Pudukkottai.	22.01.2020

14. Seminar / Conference / workshop / Attended:

S.No.	Institution	Date & Year
1	National Conference on Advanced Materials and their Applications (NCAMA-2016). V. O. Chidambaram College, Tuticorin.	21.01.2016 & 22.01.2016
2	National Seminar on Role of Nuclear energy for sustainable future development and environmental safety, RDGA College, Sivagangai.	05.02.2016
3	Science Academies' Lecture Workshop on Emerging Trends in Material Science, RDGA College, Sivagangai.	03.01.2017 & 04.01.2017
4	National Seminar on Frontier Areas in Chemical Sciences, VHNSN College, Virudhunagar.	22.06.2017 & 23.06.2017
5	International Conference on Frontier Areas in Chemical Technologies (FACTs), Alagappa University, Karaikudi.	06.07.2017, 07.07.2017 & 08.07.2017
6	National Conference on Recent Developments in the Applications of Transition metal complexes in Bioinorganic and Medicinal chemistry (RATMCBMC-2017), VHNSN College, Virudhunagar.	14.07.2017 & 15.07.2017
7	National Seminar on Frontier Areas in Chemical Technologies (FACTs)-2018 at Alagappa University, Karaikudi.	22.03.2018 & 23.03.2018
8	Nationar Seminar on Recent Trends in Biological Nanochemistry (RTBNC-2020) at Dr. Zahir Husain College, Ilayangudi, Sivagangai.	23.01.2020
9	International Conference on Recent Trends in Green Chemistry and Material Science (RTGCMS-2020) at Mohamed Sathak Engineering College, Kilakarai, Ramnad.	24.01.2020
10	Workshop on The Art of Thesis Writing, Preparing the Research Paper and Write the Research Proposal at Raja Doraisingam Government Arts College, Sivagangai.	04.03.2020
11	National Seminar on Materials for energy Applications (24 th & 25 th March 2022) at Raja Doraisingam Government Arts College, Organized by Department of Physics, Sivagangai.	24.03.2022 & 25.03.2022
12	National Seminar on Advanced in Chemistry of Nanostructured Materials (13 th April 2022) at Raja Doraisingam Government Arts College, Organized by Department of Physics, Sivagangai.	13.04.2022

15. Details of Research Projects :

Title	Sponsoring Agency	Amount	Responsibility
-	-	-	-

16. Ph.D Guidance/Supervisorship:

Name of scholar	Course	Area of research	Status
-	-	-	-

17. Seminar/ Conference/ Workshop Organised:

S.No.	Topic	Institution	Date
-	-	-	-

18. Webinar Attended

Sl.No	Topic And Organizing Institution	Date
1	Webinar - 01 Series on 'The Crystal Field Theory' in Chemistry, Raja Doraisingam Government Arts College, Sivagangai.	07.08.2020
2	Webinar - 02 Series on 'Environment and Development', Raja Doraisingam Government Arts College, Sivagangai.	13.08.2020
3	Webinar on Polymer and their applications (21 st August 2020) at Raja Doraisingam Government Arts College, Organized by Department of Chemistry, Sivagangai.	21.09.2020
4	Webinar on Principles of Mahatma Gandhi (2 nd October 2020) at Raja Doraisingam Government Arts College, Organized by Department of Chemistry, Sivagangai.	02.10.2020
5	National webinar on 'Solving challenging problems in chemistry using computational chemistry and machine learning', The American College, Madurai.	14.06.2021

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

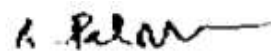
Sl.No	Name of the Programme	University	From	To
1	Refresher Course on Selective Topics in Organic Chemistry Phase - II	Sathyabama Institute of Science and Technology (Deemed University), Chennai, Tamilnadu, India	12.12.22	28.12.22

20. Resource Person:

Sl.No.	Topic	Delivered at	Period
-	-	-	-

21. Members in Organization's : Nil

22. Other Positions/Achievements: The Inspiring Teacher Award presented by Indian Talent Group.



21/02/23

(Signature)