

Name : S. Ellairaja

Position : Assistant Professor (Self)

Faculty of : Chemistry

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Email Id : rajadhan.raja17@gmail.com

Date of Birth : 21.10.1987



Languages Proficiency

Read : Tamil, English, Hindi, Sanskrit & French

Write : Tamil, English, Hindi, Sanskrit & French

Speak: Tamil, English, Hindi, Sanskrit & French

1. Qualification

Sl.No	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	U.G.	Chemistry	The Madura College, Madurai	2009
2.	P.G.	Chemistry	Madurai Kamaraj University, Madurai.	2011
3.	M.Phil.	-	-	
4.	Ph.D.	Chemistry	Madurai Kamaraj University, Madurai.	2018
5.	Certificate	DIWAWWT	The Madura College, Madurai.	2007
		DCA	TMC Computer Education	2007

2. Position Held in Vivekananda College

Sl.No	Name of the Position	Duration
1.	Assistant Professor(Self)	From 02.07.2018 onwards

3. Area of Specialization

- Organic Chemistry
- Chemosensors/Biosensors/Immunosensors

4. National / International Seminars, Workshops, Conferences & Symposiums

Sl.No	Programmes	Sponsored By	Organized By	Date	Participated / Presented	Title of the Paper
1.	International Conference on Frontier Areas in Chemical Technologies-2017 (FACTS-2017)	DST-FIST, DST PURSE, UGC-SAP	Department of Textile Chemistry, School of Chemistry, Alagappa University, Karaikudi, Tamil Nadu	July 6-8 2017	Presented (Oral)	Novel Pyrimidine Tagged Silver Nanoparticle Based Fluorescent Immunoassay for the Detection of <i>Pseudomonas aeruginosa</i>
2.	Fifth National Conference on Advanced Functional Materials and Applications (NCAFMA - 2017)	DST-SERB and RSC	Department of Chemistry, Kalasalingam – Deemed University, Krishnan Kovil, Tamil Nadu, India.	March 30 -31, 2017	Presented (Oral)	A green and facile approach for synthesizing imine to develop optical biosensor for wide range detection of bilirubin in human biofluids
3.	Recent Developments in Chemistry(RDC-2016)	Science Academies of India (IASc., INSA & NASI).	Department of Physical Chemistry, School of Chemistry,	June-4, 2016	Participated	-

			Madurai Kamaraj University, Madurai, Tamil Nadu			
4.	National Seminar on “Emerging Trends in Chemistry”	CRSI	School of Chemistry, Madurai Kamaraj University, and Madurai – 625021	February , 18th & 20th 2016.	Participated	-
5.	Two day workshop on “Recent Developments in Chemistry	Science Academies of India (IAsc., INSA & NASI).	Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai – 625021	January 27-28 2016	Participated	-
6.	Biomaterials in Medicinal Chemistry (BMC –2015)	DST-SERB, DBT	Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai – 625021	Decemb er, 21-22 2015.	Participated	-
7.	International Conference on Recent Advances in Material and Chemical Sciences (ICRAMCS – 2015)		Department of Chemistry, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, India.	Decemb er, 14-15 2015.	Presented (Oral)	A Simple turn – on for the D etection of Cadmium ions Chemosensor sin physiological conditions
8.	Applications of Computational Chemistry	RSC and MKU	School of Chemistry, Madurai Kamaraj University, Madurai – 625021	October 12, 2015.	Participated	-
9.	Recent Trends in Chemistry	DST and MKU	Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai – 625021	Septemb er 11, 2015	Participated	-
10.	Catalysis and Catalyzed Reactions	UGC and MKU	Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj	March 28, 2014	Participated	-

			University, Madurai – 625021			
11.	Lecture Workshop on “Advances in Chemistry	Science Academies of India (IASc., INSA & NASI).	School of Chemistry, Madurai Kamaraj University, Madurai – 625021	July 26- 27, 2013	Participated	-
12.	National Education Summit 2014 Towards Educating Young India	Govt. Of Gujarat	Knowledge Consortium of Gujarat and various University/ Institutions in Gujarat on 19 June 2013.	January 10-11, 2014	Participated	-
13.	International Conference on Advanced Materials, Processing and Devices (AMPD2-013)”		Department of Materials Science, School of Chemistry, Madurai Kamaraj University, Madurai.	July 15- 16, 2013	Participated	-
14.	Tenth International Symposium on Advances in Electrochemic al Science and Technology	SAEST, CSIR-CECRI	CSIR-CECRI, Karaikudi, Tamilnadu, India	January 28-30, 2013	Participated	-
15.	National Seminar on “Current Trends in Organic Synthesis”	DST, New Delhi	Department of Organic Chemistry School of Chemistry, Madurai Kamaraj University, Madurai.	June 19, 2013	Participated	-
16.	Seventeenth National Convention of Electrochemis ts (NCE-17)	SAEST, CSIR-CECRI	B.S. Abdurrahman University, Chennai, Tamil Nadu.	Septemb er 14-15, 2012	Participated	-
17.	International Year of Chemistry Celebrations	UGC	School of Chemistry, Madurai kamaraj University,Madur ai6-25 021	Decemb er 9, 2011	Participated	-
18.	National Seminar on		Department of Natural Products	March 20-21,	Participated	-

	“Frontiers in natural products Chemistry - 2008”(FNPC-‘08)		Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai – 625021	2008		
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5. Research Guidance

No. of M.Sc Guided : 10

No. of M.Phil Guided : 1

No. of Research Completed (Ph.D.) :-

No. of Research Ongoing (Ph.D.) :-

6. Articles Published in Journals / Books

Sl.No	Journal / Book Name	Title of the Article	Month / Year	Vol. No.	Issue No	Page No.	ISSN	Publisher
1.	<i>RSC Adv. (Impact Factor: 3.108)</i>	A simple highly sensitive and selective TURN-ON fluorescent chemosensor for the detection of cadmium ions in physiological conditions.	2015	5		63287–63295		Royal Society of Chemistry
2.	<i>Biosensors and Bioelectronics (Impact Factor: 8.173)</i>	A green and facile approach for synthesizing imine to develop optical biosensor for wide range detection of bilirubin in human biofluids	2017	91		82-88		Elsevier
3.	<i>J. Agric. Food Chem. (Impact Factor: 3.412)</i>	Novel Pyrimidine Tagged Silver Nanoparticle Based Fluorescent Immunoassay for the Detection of Pseudomonas	2017	65		1802-1812		American Chemical Society

		aeruginosa.						
4.	<i>ChemistrySelect. (Impact Factor: 1.505)</i>	Ultrasensitive Fluorescent Biosensor for Creatinine Determination in Human Biofluids Based on Water Soluble Rhodamine B Dye-Au³⁺ ions Conjugate	2017	2		1025-1031		Wiley
5.	<i>ACS Sensors (Impact Factor: 5.711)</i>	Michael Addition Based Chemodosimeter for Serum Creatinine Detection Using (E)-3-(Pyren-2-yl)-1-(3,4,5-trimethoxyphenyl) prop-2-en-1-one Chalcone.	2018	3		763-771		American Chemical Society
6.	<i>New J. Chem. (Impact Factor: 3.269)</i>	Polypyrrole with a functionalized multi-walled carbon nanotube hybrid nanocomposite: a new and efficient nitrite.	2018	42		3748-3757		Royal Society of Chemistry
7.	<i>ACS Omega (Impact Factor: -)</i>	Efficient cadmium removal using edible fungus and its quantitative fluorimetric estimation using [(Z) - 2-(4H-1, 2, 4-triazol-4-yl) imino methyl phenol].	2018	3		6243-6250		American Chemical Society

7. Membership of the Professional Bodies

- Was a member in Cultural Activity Team -NAAC peer review Committee, MKU.
- Was a member in School of Chemistry, Seminar Team.
- Was a member in Science day committee, School of Chemistry.
- Was a member in Green SOC, School of Chemistry.

8. Any Other

➤ Honors

- ❖ One of my work entitled “A green and facile approach for synthesizing imine to develop optical biosensor for wide range detection of bilirubin in human biofluids”, has cited in Science Last Fortnight CURRENT SCIENCE, VOL. 112, NO. 10, 25 MAY 2017.
- ❖ Received best oral presentation award for the work entitled “A green and facile approach bilirubin in human biofluids”
- ❖ Received best oral presentation award for the work entitled “A Simple turn – on Chemosensor.....in physiological conditions”
- ❖ Received DST INSPIRE FELLOWSHIP from Govt. of India to pursue research.
- ❖ Received Gold medal for outstanding performance in M. Sc. Chemistry
- ❖ Received First prize in Quiz Competition conducted in The Madura College (Autonomous) during 2008
- ❖ Received First prize for General Proficiency in Chemistry from 2006-2009.

TECHNICAL EXPERTISE

Name of the Instrument	Period of Experience	
❖ UV-Vis Single Beam & Double Beam Spectro-		
❖ Photometer	2010-2016:	7 years
❖ IR- Jasco	2010-2016:	7 years
❖ Spectrofluorimeter: Cary Eclipse	2013- 2016:	4 years
❖ ESI- LC-MS	2015-2016:	1 year
❖ Software Handling		
❖ Chemdraw 12.0	2010-2016:	7 years
❖ Origin versions	2010-2016:	7 years
❖ JASCO for UV&IR	2010-2016:	7 years
❖ CARY ECLIPSE	2013- 2016:	4 years
❖ MestReNova	2013- 2016:	4 years
❖ X Caliber-LC-MS analysis	2013- 2016:	4 years

❖ Gaussian package 5.0 & 9.0

2015-2016:

1 year.

Research Academics

❖ Research experience

❖ Total research experience: 5.5 years (2012-2018)

❖ Conference attended: 16

❖ National: 14

❖ International: 2

❖ Paper Presented:

❖ National: 1

❖ International: 2