

BIO-DATA

NAME : Dr. A. KANNAN
POSITION : Assistant Professor
FACULTY OF : Dept. of Chemistry
Vivekananda College
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1. Educational Qualification

S. No.	Degree	Discipline	Institution	Year of Passing
1	Ph.D.,	Chemistry	Madurai Kamaraj University, Madurai	2017
2	NET	Chemical Science	Council of Scientific and Industrial Research	2010
3	M.Sc.,	Chemistry	Vivekananda College, Tiruvudakam West	2008
4	B.Sc.,	Chemistry	C P A College Bodinayakanur	2004

2. Teaching Experience

S. No.	Institution	From	To
1	Vivekananda College, Tiruvudakam West	16-06-2008	Till date

3. Position held in Vivekananda College

S. No.	Name of the Position	Duration
1	Assistant Professor	16-06-2008 to Till date
2	Head - in charge	2016 - 2017

4. Area of Specialization:

Teaching: Organic Chemistry & Inorganic Chemistry
Research: Electrochemical Sensor and Nanomaterials

5. Orientation Programme / Refresher Course Attended

S. No.	Programme	Theme	Organized by	Duration
1	Refresher Course in Chemistry	Chemistry	UGC-HRDC, Kumaun University, Nainital	15.2.2021 – 28.02.2021
2	Online Refresher Course in Chemistry for Higher Education	Chemistry for Higher Education	Teaching Learning Centre, MHRD, Sri Guru Tegh Bahadur Khalsa College, University of Delhi	01.09.2019 – 31.12.2019 (16 weeks)

3	Refresher Course in Chemistry	Chemical Science	UGC-HRDC, Pondicherry University Pondicherry	08.06.2018 - 28.06.2018
4	Orientation Programme	Orientation Programme for College Teachers	UGC-HRDC Madurai Kamaraj University, Madurai	26.05.2016 - 22.06.2016
5	Faculty Training and Motivation Programme	--	CSIR-Central Electrochemical Research Institute, Karaikudi	08.09.2014 – 10.09.2014
6	Orientation Programme for the newly appointed teachers	Value Education	Vivekananda College Tiruvadakam West	09.08.2014 – 14.08.2014
7	Faculty Training and Motivation Programme	--	CSIR-Central Electrochemical Research Institute, Karaikudi	28.03.2011- 30.03.2011

6. Articles Published in International Journal

S.No.	Journal Name	Title of the Article	Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1	Electroanalysis	A facile fabrication of poly-ethionine film on glassy carbon electrode for simultaneous and sensitive detection of dopamine and paracetamol	2021	33	5	1175-1184	1521-4109	Wiley
2	Materials Today Communications	Fabrication of electrochemical sensor based on gold nanoparticles functionalized polypyrrole nanotubes for the highly sensitive detection of L-dopa	2020	25		2352-4928	101330	Elsevier
3	Materials Science and Engineering C	Gold nanoparticles embedded electropolymerized thin film of pyrimidine derivative on glassy carbon electrode for highly sensitive detection of L-cysteine	2017	78		513-519	0928-4931	Elsevier
4	Journal of Electroanalytical Chemistry	A highly selective and simultaneous determination of paracetamol and dopamine using poly-4-amino-6-hydroxy-2-mercaptopyrimidine (Poly-AHMP) film modified glassy carbon electrode.	2017	791		8-16	1572-6657	Elsevier
5	Colloids and Surfaces B: Biointerfaces	Generating monomeric 5-coordinated microperoxidase-11 using carboxylic acid functionalized silver nanoparticles: A surface-enhanced resonance Raman scattering analysis.	2016	146		722-730	0927-7765	Elsevier
6	RSC Advances	A highly selective and simultaneous determination of ascorbic acid, uric acid and nitrite based on a novel poly-N-acetyl-L-methionine (poly-NALM) thin film	2016	6	99	96898-96907	2046-2069	Royal Society of Chemistry
7	RSC Advances	A new class of electropolymerized conducting film from the pyrimidine family for the simultaneous	2016	6	99	97391-97398	2046-	Royal Society of Chemistry

		determination of ascorbic acid and dopamine					2069	
8	RSC Advances	Regenerative silver nanoparticles for SERRS investigation of metmyoglobin with conserved heme pocket	2013	3	19	6839-6846	2046-2069	Royal Society of Chemistry
9	Langmuir	Plasmon-tuned silver colloids for SERRS analysis of methemoglobin with preserved nativity	2012	28	40	14357-14363	0743-7463	American Chemical Society

7. National/International Seminar, Workshop and Conference participation

S.No.	Programme	Sponsored by	Organized by	Participated/ Presented	Date	Title
1	International conference on Modern Trends in Chemistry	-	Dept. of Chemistry Vivekananda College	Presented	23.02.2018	Colorimetric and fluorescent sensing of uranium oxy nitrate based on anthracene Schiff base derivative
2	International conference on Nanomaterials for energy, environment, catalysis and sensors	-	School of Chemistry Madurai Kamaraj University	Presented	11 & 12.12.2015	Electrochemical sensing of ascorbic acid, uric acid and nitrite using poly-N-acetyl-L-methionine modified glassy carbon electrode
3	Transition-2015-Two day workshop for college teachers	-	Dept. of Chemistry, Cenntral University of Tamilnadu, Tiruvarur	Participated	13 & 14.03.2015	
4	One day Lecture Programme on Photochemistry	-	School of Chemistry Madurai Kamaraj University	Participated	12.02.2015	
5	International conference on electrochemical science and technology	Electrochemical Society of India	Electrochemical Society of India, Indian Institute of Science, Bengaluru	Presented	07,08 & 09.08.2014	SERRS investigation of Micrperoxidase-11 immobilized on carboxylic acid or amine functionalized silver surfaces: A structural study to improve electrocatalytic efficiency
6	Lecture workshop on Bioinorganic chemistry and its applications	National Science Academies, India	School of Chemistry Madurai Kamaraj University	Participated	28, 29 & 30.09.2012	
7	National workshop on Disaster mitigation with particular reference to nuclear power plants	Nuclear power corporation of India Ltd, Kudankulam	The Institute of Engineers (India), Madurai	Participated	31.08.2012	

8. Edited Books

S.No	Book Name	Year	Publisher	ISBN
1	International conference on Modern Trends in Chemistry (MTC-25)	2018	Chithiram publications	978-81-933998-6-6

9. Research Project Undertaken

S.No	Title of the Project	Position	Sponsored By	Duration	Sanctioned Amount
1	Gold Nanocluster Incorporated Electropolymer Thin Film of Pyrimidine Derivatives on Glassy Carbon Electrode for Biosensor Applications	PI	UGC-SERO Hyderabad	2015-2017	₹ 3,54,244
2	Immobilization of gold nanocluster on electropolymerized Azole derivative modified glassy carbon electrode for sensing biomolecules.	PI-Student Project	TNSCST, Chennai	2016-2017	₹ 10,000.
3	Development of sensitive and cost-effective sensor for the determination of food adulterants and food contaminants based on hetero atom doped carbon dots embedded electropolymer thin film of thiadiazole derivative	PI	DST-SERB	2020-2023	₹ 18,30,000

10. Member of the Board of Studies

S.No	Name of the Institution	Name of the Position	Duration
1	Sri Sarada College for Women, Tirunelveli	Subject Expert	2020-2021

11. Guest Lectures Given

S.No	Topic	Organized by	Date
1	Inaugurated Chemistry Association and delivered a talk on Careers in Chemistry	Sai Bharath College of Education, Oddanchatram	21-11-2019
2	IIT – JAM Coaching	St. Joseph College, Trichy	20-09-2018
3	Fundamentals of MRI Technique	Department of Chemistry Sourashtra College, Madurai	20-09-2017
4	CSIR-NET & GATE Coaching	Vivekananda College Madurai	02-03-2013
5	CSIR -NET and GATE Coaching Programme for M. Sc. students	C P A College, Bodi	14 to 17-02-2011

12. Awards & Achievements

- Received Science Academies of India sponsored Focus Areas of Science and Technology Summer Fellowship – 2019 (FAST-SF) on Science of materials organized by University of Mumbai-Department of Atomic Energy, Centre for Excellence in Basic Sciences, University of Mumbai, Kalina campus, Santacruz (E), Mumbai during May 6- June 14, 2019.
- Received Summer Research Fellowship sponsored by Science Academies of India and worked under the guidance of Prof. T. Pradeep, Department of Chemistry, IIT-M, Chennai during April 2014 to June 2014.
- Received Gold Medal in M.Sc., Chemistry for securing first rank.
- Received Best Behaved Student Award during the study of M.Sc. Chemistry.

13. Others

- Delivered more than thirty radio talks at All India Radio, Madurai station regarding the matter of Science Awareness and Environmental Protection.

Reviewer

- Materials Chemistry and Physics
- International Journal of Environmental Analytical Chemistry
- Journal of Sensors