ARULMIGU PALANIANDAVAR COLLEGE OF ARTS AND CULTURE
(Reaccredited With 'A' Grade by NAAC)
(Run by Arulmigu Dhandayuthapani Swamy Thirukkoil, H.R & C.E (Admin) Dept. Government of Tamilnadu)
(A Government Aided College – Affiliated to Madurai Kamaraj University, Madurai)
DINDIGUL ROAD, PALANI - 624601

Department of CHEMISTRY		
Name	**N.KAVITHA**	
Designation	**ASSISTANT PROFESSOR**	
Qualification	**M.Sc., M.Phil., P.hd.,**	
Email id	**kavitharaja_apa@yahoo.co.in**	
Alternative email id	**kavitharaja1762005@gmail.com**	
Experience	**15 years**	
Date of joining	**31/01/2009**	
No. Of Journal Publication **(International)**	10	
No. Of Journal Publication **(National)**	06 (publication in books)	
No. Of Conference Attended **(International)**	09	
No. Of Conference Attended **(National)**	15	
No.Of conference Attended **(Online)**	14	

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.Sc.,	Chemistry, Physics, Mathematics	Madurai Kamaraj University	2003
PG	M.Sc.,	Chemistry	Madurai Kamaraj University	2005
M.Phil.,		Chemistry	Bharathidasan University	2007
Ph.D.,		Chemistry	Mother Teresa Women's University	2016
Other1				
Other2				

****Details of Journal Publications:**

1. International:

2.National:

****Details of Conference/Seminar Attender:**

1.International

2.National

**** Attach Separate Sheet**

DETAILS OF JOURNAL PUBLICATIONS

1. **N.Kavitha**, P.Manjula, K.Jeevanantham, "Synergistic effect of Water Hyacinth leaves- Zn^{2+} system in corrosion inhibition of mild steel in aqueous medium", *Research Desk*, 3(1), 400-409, 2014. **ISSN 2319-7315**, **(Impact factor = 0.16).**

2. **N. Kavitha**, P.Manjula, N.Anandhakumar, "Syneristic effect ofC.Papaya leaves extract-zn^{2+} in corrosion inhibition of mild steel in aqueous medium", *Research journal of chemical sciences*, 4(8), 88-93, 2014. **ISSN 2231-606X,(Impact factor =0. 3725).**

3. **N. Kavitha**, P.Manjula, "Corrosion Inhibition of Water Hyacinth Leaves, Zn^{2+} and TSC on Mild Steel in neutral aqueous medium", *Int. J. Nano. Corr. Sci. Engg.* 1(1) **(2014)** 25 – 32. E-ISSN: 2395 – 7018.

4. **Kavitha N** and Manjula P, "Water Hyacinth Leaves extract-Zn^{2+}-SM: An efficient aqueous Ternary corrosion inhibitor for mild steel", *Journal of Chemical, Biologicaland physical sciences*, 5(4) (2015) 3998 – 4004.E- ISSN: 2249 –1929. **(Impact factor = 1.082).**

5. **N. Kavitha**, P.Manjula, "Surfactants as biocides with eichhorniacrassipes– Zn^{2+} inhibitor system on mild steel in controlling Microbially Induced Corrosion (MIC) in aqueous medium" , World Journal of Pharmaceutical Research, 4(11) (2015) 2017-2024. **ISSN 2277– 7105. (Impact factor = 5.990).**

6. **N. Kavitha**, P.Manjula, "Electrochemical investigation on inhibition efficiency of Eichhorniacrassipes – Zn^{2+} System in neutral aqueous medium", International Journal of Engineering Research – Online, 4(3) (2016) 65-69. **ISSN: 2321 – 7758. (Impact factor = 4.349).**

7. **N. Kavitha**, P.Manjula,Adsorption iso thermal Analysis and synergistic influence of Rochelle Salt on inhibition efficiency of Eichhorniacrassipes (Water hyacinth) on mild steel in Aqueous medium, International journal of innovative research in science, engineering and technology, 5(5) (2016), **ISSN:2319- 8753.(Impact factor = 6.209).**

8. **Dr. N. Kavitha** , Mr. M. Arjunan, Water Hyacinth (Eichhorniacrassipes) as a complementary substrate in composting process, International Journal of All Research Education and Scientific Methods (IJARESM), 8(12) (2020) 1457-1459. **ISSN: 2455-6211. (Impact Factor: 7.429).**

9. **Dr.N. Kavitha**, P.Manjula, Adsorption studies on corrosion inhibition of Eichhorniacrassipes (Water hyacinth) on mild steel in Aqueous medium, International journal of creative research and thoughts (IJCRT), 8(12) (2020) 2807-2810. **ISSN: 2320-2882. (Impact Factor: 7.97).**

10. **Dr. N. Kavitha** , Mr. M. Arjunan, Comparative study on moisture content required for composting process, International journal for innovative research multidiscipilinary field, 6(12) (2020) 258- 260. **ISSN: 2455-0620. (Impact Factor: 6.719).**

Books Published

S.No	Name of the Paper	Title	Year and Publications
1.	Innovations in chemical and life sciences research, Proteofest - 2020	Investigation of synergism between sodium molybdate and binary mixture (Eichorniacrassipes + Zn2+) on corrosion inhibition of mild steel	2020, Rev. Jacob memorial Christian college, Ambilikkai, Dindigul (dt). **ISBN: 978-93-5396-139-8**
2.	Global opportunities for recent developments in science and technology	Corrosion inhibition by an Azole drug Omeprazole- Zn^{2+} system in aqueous medium	2014, Rev. Jagob Memorial Christian College, Ambilikkai. **ISBN 9789382323**
3.	Proceedings of the UGC sponsored One day National level seminar on recent advances in chemistry	Corrosion inhibition of *EichhorniaCrassipes* leaves- Zn^{2+} system on mild steel in aqueous medium	2014, ArulmiguPalaniandavar College of Arts & Culture, Palani. **ISBN 938065701-3**
4.	Proceedings of the UGC sponsored One day National level seminar on recent advances in chemistry	Synergistic effect of Sargassumswatzii (Brown algae)-Zn^{2+} system in controlling of mild steel in aqueous medium	2014, ArulmiguPalaniandavar College oF Arts & Culture, Palani. **ISBN 938065701-3**
5.	Proceedings of the UGC sponsored One day National level seminar on recent advances in chemistry	Corrosion inhibition of Azole derivative on Brass in aqueous medium	2014, ArulmiguPalaniandavar College oF Arts & Culture, Palani. **ISBN 938065701-3**
6.	Proceedings of the UGC sponsored One day National level seminar on recent trends in Nano – Biotechnology, Bioinformatics, Bio-diversity and its Conservation and Environmental Impact on Global Warming	Corrosion inhibition of SesbaniaGrandiflora Leaves on mild steel in Aqueous medium	2014, Shanlax Publications, Madurai. **ISBN 938065703-X**.

Details of Conference/Seminar Attended

S. No	Name of the Seminar/ Conference/ Symposia Workshop, etc.,	National/state/ International/ Online	Name of the sponsoring Agency	Place	Date
1.	Online short term course on- Biodiversity, status, services,and management practices	Online	Kongunadu Arts & Science College	Coimbatore	1/09/2020 to 10/09/2020
2.	Online FDP program on New direction and dimension in higher education	Online	ArulmiguPalaniandavar arts college for Women, Palani.	Palani	9-06-2020 to 15-06-2020
3.	Online Refresher course on ' Research methodology: Tools and techniques'	Online	UGC, HRDC, Mizoram University	Mizoram	7/07/ 2020 to 20/07/2020
4.	FDP on Educational video creation i.e.,E-Content development for Teachers	Online	RajarshiChhatrapatiShahu college.	Kolhapur	22/07/2020 to 27/07/2020
5.	Online FDP program on Teaching, Learning and evaluation	Online	ArulmiguPalaniandavar arts college for Women	Palani	4/05/2020 to 6/05/2020
6.	Online FDP on 'Challenges on education system during pandemic days'	Online	A.P.A.College Of Arts And Culture, Palani&Unnat Bharat Abhiyan (C-36569)	Palani	6/06/2020 to 8/06/2020
7.	Online FDP on integrating SWAYAM MOOCs and educational apps in teaching	Online	ShrimathiDevkunvarNanalal Bhatt Vaishnav college for Women	Chrompet, Chennai	28/05/2020 to 29/05/2020
8.	Online short term course on " VIRTUAL LEARNING ENVIRONMENT"	Online	A.P.A.College Of Arts And Culture, Palani&Unnat Bharat Abhiyan (C-36569)	Palani	6/06/2020 to 8/06/2020
9.	Faculty Development programme on GEOGEBRA 5.04	Online	Sathyabama Institute of Science and Technology	Chennai	04.05.2020 to 08.05.2020
10.	Biopython training organized at Sathyabama Institute of Science and Technology	Online	Sathyabama Institute of Science and Technology	Chennai	January 2020 semester
11.	GeoGebra 5.04 training organized at Sathyabama Institute of Science and Technology	Online	Sathyabama Institute of Science and Technology	Chennai	January 2020 semester
12.	Online Refresher Course In Chemistry For Higher	Online	SWAYAM ARPIT Online course certification	Sri Guru TeghBahadurKhalsaCollege,U	1/09/2019-31/12/2019

	Education			niversity of Delhi	(16weeks)
13.	workshop on Flipped Classroom learning tools through online mode	Online, National	A.P.A.College Of Arts And Culture, Palani&Unnat Bharat Abhiyan (C-36569)	Palani	15.05.2020 & 16.05.2020
14.	Two week MOOC workshop for college teachers on "Management of environment and its resources"	Online, National	St.Xavier's college	Palayamkottai, Thirunelveli	28/04/2020 to 11/05/2020
15.	Presented a paper in the Innovations in chemical and life sciences research, Proteofest – 2020, on "Investigation of synergism between sodium molybdate and binary mixture (Eichorniacrassipes + Zn2+) on corrosion inhibition of mild steel".	National	Rev. Jacob memorial Christian college	Ambilikkai, Dindigul (dt).	
16.	Recent Trends in Computational and experimental physics	International	APA College of arts & culture	Palani	
17.	Applications of quantum mechanics and nano materials for energy storage	National	APA College of arts & culture	Palani	
18.	Biodiversity and modern Bio- Technology prospects and challenge	National	APA College of arts & culture	Palani	
19.	Presented a paper in The widening Horizons of chemistry-III(TWHC – III-2015 on "Synergistic effect of TSC with Water Hyacinth leaves extract for the corrosion inhibition of mild steel"	National	ArulmiguPalaniandavar arts college for Women, Palani.	Palani	
20.	International corrosion prevention symposium for research scholars by CORSYM 2015 on "Effect of temperature on corrosion inhibition of mild steel by Eichorrniacrassipes leaves extract – Zn^{2+} - TSC in aqueous medium"	International	Indian Institute of Technology Madras	Chennai	

21.	Corrosion prevention symposium for research scholars CORSYM - 2015	International	NACE, Indian Institute of Technology Madras	Chennai	July31 &August 1, 2015
22.	Seminar on Recent Trends in Nano-Biotechnology, Bioinformatics, Bio-diversity and its Conservation and Environmental Impact on Global Warming	National	UGC, ArulmiguPalaniandavar College of Arts & Culture	Palani	October, 13, 2014
23.	seminar on Recent Advances in Chemistry	National	UGC, ArulmiguPalaniandavar College of Arts & Culture	Palani	August, 11, 2014
24.	conference on Global Opportunities for Recent Developments in Science and Technology	National	CSIR, Rev.Jacob Memorial Christian College	Ambilikkai, Dindiguldt.	February, 8, 2014
25.	seminar on Novel Trends in Chemistrry (NTC (I) 2014)	State level	ArulmiguPalaniandavar College for Women	Palani	January, 30,2014.
26.	Conference on Advances in Numerical Analysis and Applied Mathematics	International	ArulmiguPalaniandavar College for Women	Palani	August, 24, 2013
27.	conference Interfinish-SERIA 2013 Asia - pacific on surface engineering for Research and Industrial Applications	International	Rajalakshmi Institutions	Chennai	August, 7-9, 2013
28.	seminar on Recent Trends in Advanced Materials and Geo - Informatics	State level	ArulmiguPalaniandavar College of Arts & Culture	Palani	March 1, 2013
29	Conference on Biological Inorganic Chemistry (ICBIC – 2013)	International	Periyar University	Salem	February, 20-22, 2013
30.	seminar on The widening horizons of chemistry	National	ArulmiguPalaniandavar College for Women	Palani	February, 11, 2013
31.	seminar on Renewable & Non – Renewable energy sources	National	ArulmiguPalaniandavar College of Arts & Culture	Palani	January, 21, 2013.
32.	Conference on ManidaNazhanilChuttruchuzhal	International	VazhliaUlaganalanartpanimanram	Palani	December, 23, 2012
33.	Regional Science Congress	National	Indian Science Congress Association and Kongunadu Arts & Science College	Coimbatore	December 15-16, 2012

34.	Orientation programme on Research Activities in Science	National	Madurai Kamaraj University and TNSCST	Madurai	March 21-22, 2012
35.	workshop on Sustainability through green chemistry and catalysis	National	PSGR Krishnammal College for Women and The Royal Society of Chemistry	Coimbatore	March 2 – 2012
36.	seminar on Recent Developements in Nano materials and Device Applications	State level	ArulmiguPalaniandavar College of Arts & Culture	Palani	February 24 – 2012
37.	seminar on Nuclear energy, Nuclear reactions & their safety – An Overview	State level	ArulmiguPalaniandavar College for Women	Palani	December 26-2011
38.	Workshop on Micro scale experiments in Chemistry	State level	ArulmiguPalaniandavar College of Arts & Culture	Palani	Dcember 15-2011
39.	Seminar on Modern Trends In Chemistry	National	ArulmiguPalaniandavar College oF Arts & Culture	Palani	December 20 – 2011
40.	Seminar on Emerging Trends In Life Science	International	Navarasam Arts and Science College For Women	Arachalur, Erode	August 18 – 2011
41.	Conference on Global Competitiveness in Biology, Chemistry and Environment : For a better tomorrow	International	Rev. Jacob Memorial Christian College	Ambilikkai	February 3 - 2011
42.	Workshop on Recent Trends in Emerging Chemistry	National	Sri G.V.G. Visalakshi College for Women	Udumalpet	January 29 – 2011
43.	Seminar on Women in Social Engineering	State level	Centre for Women's Studies, Lady Doak College and Indian Society for Cultural Co- operation and friendship	Madurai	October 4 - 2010
44.	Tamilnadu Government Science Tamil conference	National	ManonmaniumSundaranar University and Tamilnadu Government Science Tamil conference	Kanniakumari	Oct. 7& 8 - 2010