

PROFORMA FOR BIODATA

1. Name : K. KAVITHA
2. Designation : Assistant professor
3. Department : Chemistry
4. Correspondence Address : National College (Autonomous), Tiruchirappalli - 1
5. Email and Contact number : kavithachem@nct.ac.in
6. Date of Birth : 28.051981
7. Gender : Female
8. Category (Gen/SC/ST/SCA/DNC/MBC/BCM/BC) : BC
9. Whether differently abled : No
10. Academic Qualification

S. No	Degree	Year	Subject	University/Institution	% of Marks
1	B.Sc.	2001	Chemistry	Government Women's College, Kumbakonam	74.3
2	M.Sc.	2003	Chemistry	Government Men's College (Autonomous), Kumbakonam	71.3
3	M.Phil.	2004	Chemistry	Government Men's College (Autonomous), Kumbakonam	83.4
4	Ph.D.	2023	Chemistry	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli	Commended

11. Ph.D thesis title : Corrosion Inhibitors for pipeline carrying Oil-Well Water
Guide's Name : Dr. H. Benita Sherine
Institution/ University : Thanthai Periyar Government Arts and Science College
(Autonomous), Tiruchirappalli
Year of Award : 2023

12. Work Experience : 19 years

S. No	Position held	Name of the Institute	From	To	Pay Scale
1	Guest Lecturer	M.R. Govt. Arts College, Mannargudi	01.08.2004	10.04.2005	4,000
2	Assistant Professor	S.T.E.T. Women's	14.06.2006	10.04.2012	12,000

		College, Mannargudi			
3	Assistant Professor	National College (Autonomous), Tiruchirappalli	01.08.2012	Till date	12,206

13. Professional Recognition/ Award/ Certificate/ Fellowship received by the applicant

1. “*Rosa damascena* (Damask rose) flower in simulated oil well water medium” in the International Virtual Conference on Chemical research for sustainable development organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram campus, Chennai during 24th and 25th September 2021.
2. “Inhibition efficiency of corrosion of mild steel in simulated oil well water by extract of Henna leaves”, secured first place in the National conference on research in recent trend at RVS Educational Trust’s Group of Institutions, Dindigul on 08.11.2019.
3. “Non-Covalent DNA and BSA Binding, DNA cleavage and cytotoxicity of Ru(II) luminophore”, Professor M.P. Kannan Endowment Award in the National Conference on Smart Materials organized by Department of Chemistry, University of Calicut, Kerala during 24-25 March 2015.

14. Publications

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	K. Kavitha, H. Benita Sherine and S. Rajendran	Aqueous extract of <i>Cassia fistula</i> flower as green corrosion inhibitor for mild steel in simulated oil well water medium	International Journal of Corrosion and Scale Inhibition	11, no. 3	1131-1146	2022
2	K. Kavitha, H. Benita Sherine and S. Rajendran	<i>Rosa damascena</i> (Damask Rose) as corrosion inhibitor for mild steel in simulated oil well water medium	International Journal of Corrosion and Scale Inhibition	11, no. 2	851-861	2022
3	K. Kavitha, H. Benita Sherine, Abdulhameed Al-Hashem, S. Rajendran and Caslav Lacnjevac	Corrosion inhibitors used in pipelines carrying simulated oil well water - An overview and inhibition of corrosion of mild steel in simulated oil well water by aqueous	Oriental Journal of Physical Sciences	6(1-2)	36-43	2021

		extract of <i>Chrysanthemum indicum</i> flower - case study				
4	K. Kavitha, H. Benita Sherine and S. Rajendran	<i>Cardiospermum halicacabum</i> leaves extract as a green corrosion inhibitor for mild steel in simulated oil well water medium	International Journal of Corrosion and Scale Inhibition	10(4)	1646-1660	2021
5	K. Kavitha, H. Benita Sherine and S. Rajendran	Anti-corrosive properties of an aqueous extract of <i>Chrysanthemum indicum</i> flower	International Journal of Corrosion and Scale Inhibition	10(2)	783-800	2021
6	A Suriya Prabha, N Vijaya, T Umasankareswari, A Krishnaveni, J Jeyasundari, K Kavitha, H Benita Sherine, N Renuga Devi and Susai Rajendran	Corrosion Inhibition by Flower Extracts - At a Glance	Journal of Chemical Science and Chemical Engineering	1(1)	29-36	2020
7	A Suriya Prabha, K Kavitha, H Benita Shrine and Susai Rajendran	Inhibition of corrosion of mild steel in simulated oil well water by an aqueous extract of <i>Andrographis paniculata</i>	Indian Journal of Chemical Technology	27	452-460	2020

h-index : 4

i10 index : 2

Total citations : 45

15. Details of patents : -

16. Books/ Reports/Chapters/General articles etc

S. No	Title	Author's Name	Publisher	Year of Publication
1	Nanomaterials for antifungal applications	K. Kavitha, N. Vijaya, A. Krishnaveni, M. Arthanareeswari, Susai Rajendran, Abdulhameed Al-Hashem and A. Subramania	Nanotoxicity	2020

17. Research guidance

Ph.D. : Awarded : -
Submitted : -
On going : -
M.Phil. : Awarded : -
M.Sc. Dissertation : Awarded : More than 30

18. List of Completed/Ongoing/Submitted projects

S.No	Title of the Project	Duration		Total Cost (Rs.)	Name of Funding Agency	Status
		From	To			
	-	-	-	-	-	

(a) Major Results/ Highlights of the project including achievement(publications, patents etc.), for *completed projects*

(b) Up-to date Technical progress report for *on-going projects*.

19. Membership

(a) Professional bodies : -
(b) Editorial board : -
(c) Advisory board : -
(d) Academic bodies : -

20. Countries visited : -

21. Any other Information : -

DECLARATION:-

I certify that the foregoing information is correct and complete to the best of my knowledge and belief.

Place: Tiruchirappalli

Date: 23.07.2024

Signature