

STAFF PROFILE

- 1) **Name** : Dr. K. ANBARASI
2) **Designation** : Assistant Professor
3) **Department** : Department of Chemistry
4) **Qualification** : M.Sc M.Phil, Ph.D.,
5) **Experience** : Teaching : UG & PG 12 Years Research : 8 years
6) **Area of Specialization (s)** : Phytochemistry & Corrosion Inhibition Studies
7) **E-mail** : anbarasi12@gmail.com
8) **Academic Qualification** : M.Sc M.Phil, Ph.D

9) Projects

Completed

Project Title	Agency	Amount	Duration
Investigation on efficiency of ecofriendly plant material (<i>Cucurbita maxima</i>) as surface coating for corrosion inhibition of metals (Mild steel and Aluminium) in acid and aqueous media.	UGC /SERO	Rs. 2, 70,000/-	2 years (2014-2016)

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	5	-

11) Research Publications

International

1. **K. Anbarasi**, V. G. Vasudha, Corrosion inhibition potential of *Cucurbita maxima* plant extract on mild steel in acid media, *Chemical Science Review Letter*, 2014, 3(9), 45-51.
2. **K. Anbarasi**, V. G. Vasudha, Mild steel corrosion inhibition by *Cucurbita maxima* plant extract in hydrochloric acid solution, *Journal of Environmental and Nanotechnology.*, 2014, 3(1), 16-22.
3. **K. Anbarasi**, Electrochemical and corrosion inhibition studies of *Cucurbita maxima*, *Oriental Journal of Chemistry*, 2016, 32(4), 2139-2145.

4. **K. Anbarasi**, S. Mini, Adsorption and inhibitive properties of peel extract of *Cucurbita maxima* as green inhibitor for aluminium in 1N HCl, *Chemical Science Review and Letters*, 2016, 5(19), 197-204 .
5. **K. Anbarasi**, V. G. Vasudha, Influence of eco friendly plant material (*Cucurbita maxima*) on mild steel corrosion, *Anti Corrosion Methods and Materials*, 2017,64(5) ,492-498.
6. **K Anbarasi**, Industrial application and inhibition properties of *Cucurbita maxima* on metal corrosion in aggressive medium, *International Journal of Chemical Science*, 2018, 2(1), 28-35.
7. **K. Anbarasi**, VG Vasudha, S Sivashankari, Inhibitive and kinetic properties of Eco friendly corrosion inhibitor (*Cucurbita maxima* peel) for mild steel in acidic medium, *International Journal of Chemical Science* , 2018, 2(5), 16-21.
8. S. Sruthi , **K. Anbarasi**, In vitro radical scavenging activity, antimicrobial and anti-diabetic potential of *Solanum betaceum*, *International Journal of Technical Innovation in Modern Engineering and Science*, 2018, 4(12), 460-465.
9. S. Sumathi, **K. Anbarasi**, Phytochemical Profile, Antioxidant and Antimicrobial activity of *Catharanthus pussilus*, *International Journal of Technical Innovation in Modern Engineering and Science*, 2019, 5(1),312-316.
10. **K. Anbarasi**, Bushra. S, Pavithra. M, Priya Dharshini. S, Extraction, Identification and Biological Activities of Phytoconstituents from *Sansevieria cylindrica*, *European Journal of Biomedical and pharmaceutical sciences*, 2019, 6(3), 485- 489.
11. **K. Anbarasi**, Bertilla Allbert, Hemalatha. J, Nandini. J, In Vitro Anti-microbial and Anti-oxidant Assay of Root of *Echinopsis calochlora* Schum, *World Journal of Pharmaceutical and Medical Research*, 2019, 5(3), 199-203.
12. **K.Anbarasi**, Isolation of flavonoids from *Crotalaria grahamiana* leaves extract, *International Journal of Chemical Research and Development*, 2019,1(1), 23-25.

12) Other Publications: 42 Research papers published in proceedings

13) Presentations in Conference

International

- International Conference on Solutions to ecological challenges: Multidimensional perspectives at Fatima College, Madurai -Paper titled “Ecofriendly corrosion inhibition for metals in acid media”.
- International Conference on Chemical Sciences and Nanomaterials (ICCSN-2019) at Department of Chemistry, School of Advanced Sciences(SAS)VIT, Vellore from 07.03.2019 to 09.03.2019, Paper titled “Adsorption and impedance behavior of *Cucurbita maxima* on mild steel corrosion in acid medium .”

National

- UGC sponsored one day National Seminar on Emerging Trends in Frontiers of Chemistry at Department of Chemistry, Sri GVG Visalakshi College for Women, Udumalpet- Paper titled” Evaluation of In vitro antimicrobial activity of selected plant material.
- UGC sponsored one day National Seminar on “Recent Advances in Chemistry” at Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani – 624601, Paper titled” Phytochemical screening and pharmacological activity of *Cucurbita maxima*.

14) Participation in Conference

- ✓ Advanced materials for the Emerging Technologies (CAMET-2013) at Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore on 11.07.2013.
- ✓ Fundamental & Applied Chemistry 2013(NACFAC 2013) at Department of Chemistry, Dhirajala Gandhi College of Technology, Salem on 04.10.2013.
- ✓ Advances in Science and Technology-SCITECH 2014 at Department of Chemistry, PSG College of Arts & Science, Coimbatore on 12.09.2014 and 13.09.2014

15) Participation in seminar

- ✓ Recent Advances in Chemistry at Department of Chemistry, APA College of Arts & Culture, Palani on 11.08.2014.
- ✓ Water Crisis: The Challenges Ahead of Global Governance at Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore on 27.08.2014 and 28.08.14
- ✓ Novel Approaches in Chemistry & its Environmental Impacts (NACE’15) at Department of Chemistry, KPR Institute of Engineering and Technology, Coimbatore on 26.09.2015.
- ✓ Crystallography-an outreach programme by international union of crystallography-2017 (IUCr-2017) at Department of Science and Humanities, Karunya University, Coimbatore on 17.02.2017.
- ✓ Design, advanced characterization and applications of next generation energy technology nano materials at Department of Science and Humanities, PA College of Engineering and Technology, Pollachi on 25.04.2019 and 26.04.2019.

16) Participation in Workshop

- ✓ Demonstration experiments in Chemistry and Science Quiz at Department of Chemistry, PSG College of Arts & Science, Coimbatore on 16.08.2013

- ✓ Conducting innovative Corrosion Control Research at Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-641043 on 27.01.2014 to 29.01.2014
- ✓ Level 1 workshop on Research based Pedagogical Tools, organized by Indian Institute of Science Education and Research (IISER) and Centre of Excellence in Science and Mathematics Education (COESME) ,Pune ,sponsored by DBT,MHRD, Newton Bhabha Fund, British Council, Sheffield Hallam University and conducted at IIT Gandhinagar, Gujrat from 10.12.2017 to 13.12.2017.
- ✓ Workshop on Innovations at frontier areas of Chemistry at School of Chemistry, IISER, Trivandrum, Vithura. Kerala on 07.12.18
- ✓ Preparation of E-content-Design, Editing and Production organized by Department of Zoology, Nirmala College for Women , Coimbatore on 09.02.2018 & 10.02.2018
- ✓ Science Academies Lecture Workshop: Frontiers in Spectroscopy at Department of Chemistry, Kongunadu Arts and Science College, Coimbatore on 11.10.18 & 12.10.18

17) Participation in Orientation Programme/ Induction Programme/ Short term Courses

- ✓ International Training Programme on Leadership & Career Development for Women Scientists/ Technologists organized by Indian Institute of Science Education and Research (IISER) Pune, Maharashtra from 28.08.15 to 01.09.2015.
- ✓ Analysis of water Quality at Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore on 12.01.2015
- ✓ Medical Textiles at SITRA(The South India Textile Research Association- Center of Excellence for Medical Textiles, Coimbatore on 21.07.2015
- ✓ Analytical Instrumentation at T.Stanes, Phyto-Pharma Lab, Coimbatore on 11.01.2016
- ✓ Organic reaction monitoring:TLC, HPLC and IR at Department of Chemistry , Karunya University, Coimbatore on 01.03.2016
- ✓ High resolution transmission electron microscopy, scanning electron microscopy and scanning probe microscopy at PSG institute of advanced studies, PSG college of Technology, Coimbatore on 14.09.18 & 15.09.18

- ✓ Basic principles of spectroscopy at AVS College of Arts and Science , Salem from 17.04.2020 To 19.04.2020
- ✓ Personnel and Stress Management at Erode Arts and Science College(Autonomous) Erode from 13.05.2020 to 14.05.2020

18) Participation in Faculty Development Programme

- ✓ Website creation using JOOMLA software at Nirmala College for Women, Coimbatore
- ✓ Environment Audit of Infrastructure, Extension Activity and Institutional Social Responsibility at Nirmala College for Women, Coimbatore

19) Conference/ Seminar/ Workshop Organized:

- Fundamentals of Statistical Thermodynamics, Nano Chemistry, Corrosion Chemistry And Spectroscopy – STNCS 2013 - Seminar – 3rd & 4th September 2013.
- Spectroscopy Techniques and Applications In Chemical Structure Elucidation STACSE— 2014 - Science Academic' Lecture Workshop 5th And 6th December 2014.
- Advances In Chemistry - Seminar - 13th February 2015.
- Micro Analysis in Chemistry – Workshop Under DBT STAR College Scheme. 19.01.2016
- Emerging Trends In Frontiers Of Metal Organic Chemistry - UGC Sponsored Seminar - 18.02.2016.
- Intercollegiate Students Meet – CHEMFLAIR' 16. 27.09.2016.
- Orientation Programme for UGC NET Exam In Chemistry – UGC Funded - 10.02.2017.
- Principles and Applications of Mass Spectrometry, Polarography and Nano Chemistry – UGC Funded Seminar – 12.02.2018.
- Chemistry for National Level Competitive Examination – Orientation Workshop – 29.10.2018.
- Tuning Academic Research for Potential Funding Opportunities – FDP - Funded Under the DBT Scheme – 19.01.2019.
- History and Chemistry of Periodic Table – Exhibition in Commemoration of International Year of Periodic Table of Chemical Elements – IYPT 2019 – Funded Under the Star College Scheme, DBT, Govt of India - 19.09.2019.
- In Commemoration Of International Year Of Periodic Table Of Chemical Elements – IYPT 2019 – National Seminar - Funded Under the Star College Scheme, DBT, Govt of India - 20.09.2019.

- Sustainable Innovations And Empowerment In Chemistry – International Symposium – Video Conference - 18.12.2019.
- Intercollegiate Students Meet – CHEMFLAIR’ 20. 21.01.2020
- Contemporary Horizons In Chemical Sciences (CHCS 2020) - International Seminar - 10.02.2020.

20) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- Invited Speaker for Guest Lecture program on the topic ‘Learn Chemistry-basic concepts and its scope in future’ at AVS College of Arts and Science, Salem.

21) Member in Board of Study

Served as BOS member in Chemistry at

- (i) Dr. NGP Arts and Science College, Kalapatti, Coimbatore
- (ii) AVC College (Autonomous), Mannampandal, Mayiladuthurai

Served as Question paper Scrutiny Member for B.Sc Chemistry at Dr. NGP Arts and Science College, Kalapatti, Coimbatore

22) Editorial/ Review Board Member

Served as Journal Reviewer

- (1) Oriental Journal of Chemistry
- (2) Journal of the Chemical Society of Pakistan
- (3) Asian Journal of Chemical Sciences
- (4) Asian Journal of Physical Sciences
- (5) Journal of Basic and Applied Research international
- (6) International Research Journal of Pure and Applied Chemistry
- (7) Asian Plant Research Journal
- (8) Journal of Pharmaceutical Research International
- (9) Asian Journal of Applied Chemistry Research
- (10) European Journal of Medicinal Plants
- (11) Journal of Geography, Environment and Earth Science International
- (12) Journal of Advances in Biology & Biotechnology
- (13) Current Journal of Applied Science and Technology
- (14) Journal of Pharmaceutical Research International
- (15) Asian Journal of Research in Botany
- (16) Annual Research & Review in Biology
- (17) Chemical Science International Journal
- (18) Asian Journal of Physical and Chemical Sciences
- (19) Journal of Advances in Medicine and Medical Research

- (20) Journal of Pharmaceutical Research International
- (21) Journal of Applied Life Sciences International
- (22) South Asian Journal of Research in Microbiology
- (23) European Journal of Nutrition & Food Safety
- (24) Agricultural Research Journal
- (25) Plant Cell Biotechnology and Molecular Biology