

STAFF PROFILE

- 1) Name : Dr.K.ANBARASI
2) Designation : Assistant Professor of Chemistry
3) Department : Chemistry
4) Qualification : M.Phil, Ph.D
5) Experience : Teaching :13 years Research : 9 years
6) Area of Specialization (s) : Corrosion Inhibition studies & Phytochemistry
7) E-mail : anbarasi12@gmail.com

8) Academic Qualifications : 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. (Proposal No: 586)	UGC /SERO	Rs. 2, 70,000/-	2 years (2014-2016)

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	-
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. ISSN 2278-6783, Impact factor 4.856.**
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, Vol. 3(1), 16-22. ISSN (print):2279-0748, ISSN(online):2319-5541. Impact factor: 0.298.**
3. **K.Anbarasi, ”Electrochemical and corrosion inhibition studies of Cucurbita maxima”, *Oriental Journal of Chemistry.*, 2016, 32(4), 2139-2145. ISSN:0970-020X, ISSN(online):2231-5039, Cite score:0.43.**
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 . ISSN 2278-6783, Impact factor 4.856**
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. Impact factor 0.69**
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. Impact Factor: RJIF 5.22. Online ISSN: 2523-2843, Print ISSN: 2523-6075**
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* , Volume 2; Issue 5; September 2018; Page No. 16-21, Impact Factor: RJIF 5.22 ,Online ISSN: 2523-2843, Print ISSN: 2523-6075 .**
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 (IJTIMES)*, 2018, Volume 4, Issue 12, p.460-465. ISSN:2455-2585, Impact factor 5.22.**
9. **S.Sumathi, K.Anbarasi, Phytochemical Profile, Antioxidant and Antimicrobial activity of Catharanthus Pussilus, *International Journal of Technical Innovation in Modern Engineering and Science (IJTIMES)*, 2019, 5(1), 312-316, ISSN:2455-2585, Impact factor 5.22.**
10. **K.Anbarasi, Bushra.S, Pavithra.M, Priya Dharshini.S, Extraction, Identification And Biological Activities of Phytoconstituents From Sansevieria Cyndrica, *European***

Journal of Biomedical and pharmaceutical sciences(EJBPS),6(3),485-489.ISSN: 2349-8870, SJIF Impact Factor 4.918.

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(WJPMR)*,5(3),199-203, ISSN:2455-3301, SJIF Impact Factor: 4.639.

12. **K.Anbarasi**, Isolation of flavonoids from *Crotalaria grahamiana* leaves extract, *International Journal of Chemical Research and Development*, Volume 1; Issue 1; January 2019; Page No. 23-25, Online ISSN: 2664-6560; Print ISSN: 2664-6552.

13. Dr.K.Anbarasi, Manoranjitham A, *Centella asiatica* extract as a green inhibitor on the corrosion of mild steel in acid medium, *Journal of Research in Applied Chemistry*,2021, Volume 4, Issue 2,Page No: 1-11.

14. Dr.K.Anbarasi,Malathi D,Anticorrosion potential of *Cardiospermum halicacabum* on mild steel in sulphuric acid medium,*Journal of Research in Physics and Applied sciences*,2021, Volume 4, Issue 2.

15. Koushya, K.Anbarasi , Epsiba, Jancy Selva Rani, Sivaranjani, Inhibition of mild steel corrosion in 1N H₂SO₄medium by acid extract of *limonia acidissima*,*IJHS(International Journal of Humanities and Sciences*, 2021.

12) Other Publications (Proceedings)

PAPER PUBLICATIONS IN CONFERENCE PROCEEDINGS

1. **K. Anbarasi** participated and presented paper titled “***Cucurbita maxima* peel as corrosion inhibitor for mild steel in acidic medium**” Nirmala Annual Research Congress (NARC -2013) – on 23.09.2013 published by IQAC, Page. 195-199, ISBN 978-0-9894254-3-8 © 2013.

2. **K. Anbarasi** participated and presented paper titled “**Inhibitive properties of peel extract of *Cucurbita maxima* as green corrosion inhibitor for aluminium in alkaline medium**”, Nirmala Annual Research congress (NARC’14) on 14.10.2014 published by IQAC, Page 32-34, ISBN 978-1-941505-24-3.

3. **K. Anbarasi** participated and presented research paper entitled “**Phytochemical screening and pharmacological activity of *Cucurbita maxima***” in UGC sponsored one day National Seminar on “Recent Advances in Chemistry” organized by Department of Chemistry, Arulmigu

Palaniandavar College of Arts and Culture, Palani – 624601, on 11th August 2014. Full paper has been published in the Proceedings – ISBN: 978-93-80657-01-1.

4. **K. Anbarasi** participated and presented paper titled “**Ecofriendly corrosion inhibition for metals in acid media**” in the International Conference on “Solutions to ecological challenges : Multidimensional perspectives” organized by Fathima College, Madurai on 11.12.14 – 13.12.14, Full paper has been published in the book Volume I, Page 152-159., ISBN No. 978-81-926370-2-0.

5. **K. Anbarasi** participated and presented paper titled “**Evaluation of In vitro antimicrobial activity of selected plant material**” in the UGC sponsored one day National Seminar on Emerging Trends in Frontiers of Chemistry, organized by Department of Chemistry, Sri GVG Visalakshi College for Women (Autonomous), Udumalpet on 30.12.2014. Full paper has been published in the proceeding Page 47-54, ISBN No. 978-81-910024-3-4.

6. **K. Anbarasi** and S. Sruthi presented “**Studies of phytochemical screening and pharmacological activity of *Leucas aspera***”. Nirmala Annual Research Congress (NARC - 2017) – on 06.12.2017 published by IQAC, p.23-27. (ISBN: 978-93-5279-759-2).

7. **K. Anbarasi** and D. Manimekala, “**Isolation of phytoconstituent and anti diabetic activity of methanolic extract of *Tinospora cordifolia***”. Nirmala Annual Research Congress (NARC - 2017) – on 06.12.2017 published by IQAC, p.28-31, (ISBN: 978-93-5279-759-2).

8. **K. Anbarasi** and D. Ravina, “**Corrosion inhibition of mild steel in acid medium by naturally occurring plant *Courouptia guanensis***”. National Conference on Meeting the Challenges of Corrosion on 07.12.2017 organised by Department of Science and Humanities, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. Full paper has been published in the Proceedings, p.77-81, (ISBN: 978-93-5288-469-8).

9. **K. Anbarasi** and J. Cathrin Sheeba, “**Corrosion inhibition of mild steel by *Quercus infectoria* fruits extract in acid medium**”, National Conference on Meeting the Challenges of Corrosion on 07.12.2017 organised by Department of Science and Humanities, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. Full paper has been published in the Proceedings, p.94-99, (ISBN: 978-93-5288-469-8).

10. **K. Anbarasi** and Y.Subitha *Gompherena globosa* extract as environmentally safe corrosion inhibitor for mild steel in HCl medium . National Conference on Meeting the Challenges of Corrosion on 07.12.2017 organised by Department of Science and Humanities, Avinashilingam Institute for Home Science and Higher Education for Women,Coimbatore. Full paper has been published in the Proceedings, p.100-104, (ISBN: 978-93-5288-469-8).

13) Book Publications

S.No.	Name of the book	Name of the Author/Authors	Year of Publication	Name of the Publisher
1	Role of Chemistry in Everyday life	Dr.K.Anbarasi	2020	Dr.K.Anbarasi
2	Nobel Laureates in Chemistry	Dr.K.Anbarasi	2021	Dr.K.Anbarasi
3	Phytochemistry: An In-vitro and In-vivo investigation	Dr.K.Anbarasi	2021	Dr.K.Anbarasi

14) Presentations in Conferences : 42

15) Participation in Conferences : 7

16) Participation in Seminar: 10

17) Participation in Workshop

- Attended 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.
- Attended Workshop on Innovations at frontier areas of Chemistry at School of Chemistry, IISER, Trivandrum, Vithura. Kerala on 07.12.18

18) Participation in Orientation Programme/ Induction Programme/ Short term Courses:-

19) Participation in Faculty Development Programme: 10

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

Served as resource person

(i) Resource Person for Guest Lecture on “Learn Chemistry-Basic Concept and its Scope in Future” at Department of Chemistry, AVS College of Arts and Science, Salem on 07.10.20

(ii) Resource person for online Webinar on “Utilization of Biogas plant” at Center for green energy and environment Department of Electronics and Communication systems, Nehru Arts and Science College, Thirumalayampalayam, Coimbatore on 25.02.21

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

22) Editorial/ Review Board Member

Served as Journal Reviewer

- (a) Oriental Journal of Chemistry
- (b) Journal of the Chemical Society of Pakistan
- (c) Asian Journal of Chemical Sciences
- (d) Asian Journal of Physical Sciences
- (e) Journal of Basic and Applied Research international
- (f) International Research Journal of Pure and Applied Chemistry
- (g) Asian Plant Research Journal
- (h) Journal of Pharmaceutical Research International
- (i) Asian Journal of Applied Chemistry Research
- (j) European Journal of Medicinal Plants
- (k) Journal of Geography, Environment and Earth Science International
- (l) Journal of Advances in Biology & Biotechnology
- (m) Current Journal of Applied Science and Technology
- (n) Journal of Pharmaceutical Research International
- (o) Asian Journal of Research in Botany
- (p) Annual Research & Review in Biology
- (q) Chemical Science International Journal
- (r) Asian Journal of Physical and Chemical Sciences
- (s) Journal of Advances in Medicine and Medical Research
- (t) Journal of Pharmaceutical Research International
- (u) Journal of Applied Life Sciences International
- (v) South Asian Journal of Research in Microbiology
- (w) European Journal of Nutrition & Food Safety
- (x) Agricultural Research Journal
- (y) Plant Cell Biotechnology and Molecular Biology

23) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
IAENG Society of Chemical Engineering, Hongkong	Life membership Member Number: 284740	Life membership

24) Awards and Achievements

1. Received Aufau Best Paper Award 2014 for the research paper titled “Corrosion Inhibition Potential of *Cucurbita maxima* Plant Extract on Mild Steel in Acid Media” from the International journal Chemical Science Review and Letters (ISSN 2278-6783) with Impact factor 4.014.

3. Attended 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.

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

2. Served as External examiner for UG and PG Chemistry paper valuation and Practicals

(i) PSG College of Arts and Science, Coimbatore

(ii) Bharathiar University, Coimbatore.

(iii) Sree Narayanaguru College, Coimbatore

(iv) Kongunadu Arts & Science College, Coimbatore

(v) KSG college of arts & Science, Coimbatore

(vi) Dr.NGP Arts and Science College, Coimbatore

(vii) NGM College, Pollachi

3. Served as B.Sc and MSc Chemistry-Question paper setter in

(i) Holy Cross College, Nagercoil, Kanyakumari (Dt)

(ii) Bishop Heber College, Trichy

(iii) Kongunadu Arts & Science College, Coimbatore

(iv) Selvamm Arts & Science College (Autonomous), Salem Road, Namakkal

(v) Thaseem Beevi Abdul Kathar College of Arts and Science, Ramanthapuram.

4. Served as Trainer for Home care products for self help group women at Rhythem, Social Service Society for Women, Nirmala College campus, Coimbatore

25) Any Other

ONLINE COURSES COMPLETED:

S.No	Title of the course	University	Date of completion
1	The Science of well being	Yale University	20.09.20

2	Learning to Teach Online	UNSW (The University of New South Wales), Sydney	23.09.20
3	Organometallic Chemistry	SWAYAM-NPTEL	18.12.20