

CURRICULUM VITAE

PERSONAL PROFILE

Name : T.UMA SANKARESWARI
Department : CHEMISTRY
Date of Joining : 01-10-2013
Education qualifications : M.Sc.,M.Phil.,B.Ed., Ph.D.,
Area of Specialization : Corrosion
E-mail : venkatuma91@gmail.com
Mobile Number : 9486006299



RESEARCH PROFILE

PAPERS PUBLISHED IN PROCEEDINGS

No	International / National / State / Regional Level	Title of the paper presented	Date	ISBN (if any)
1	International Journal of Corrosion and Scale Inhibition	Inhibition of corrosion of mild steel in sea water by an aqueous extract of turmeric powder (9)	June 2020	ISSN 2305-6894
2	International Journal of Corrosion and Scale Inhibition	Influence of roseday-5 tablet on corrosion resistance of SS 316L in artificial saliva (1)	2020	ISSN 2305-6894
3	Journal of Chemical Science and Chemical Engineering(4.5	Influence of Metformin Hydrochloride- 250 mg (MFH) tablet on Corrosion resistance of orthodontic wire made of NiCr alloy in artificial saliva	May 2020	DOI number http://dx.doi.org/10.47890/JCSCE/SRAJENDRAN/2020/10082111

)			
4	Zastita Materijala 61 (3) 251 - 258 (2020)	Corrosion resistance of orthodontic wire made of SS 316L alloy in artificial saliva in the presence of amlodipine tablet by electrochemical studies	2020	ISSN 0351-9465,
5	Int. J. Corrosion. Scale Inhibition., 2020, 9, no. 4, 1169–1193	Extracts of leaves as corrosion inhibitors – An overview and corrosion inhibition by an aqueous extract of henna leaves (<i>Lawsonia inermis</i>) (6)	Dec 2020	ISSN 2305-6894
6.	International Journal of Nano Corrosion Science and Engineering	Corrosion Resistance of Stainless steel 18/8 Alloy in Ringer's Lactate in the presence and absence of sodium chloride	2020	ISSN: 2395-7018
7	International Journal of Corrosion scale inhibition	Green solution to corrosion problems - at a glance (14)	2019	ISSN 23056894
8	ZASTITA MATERIJAL A 60 (2019) broj 3	Corrosion problems in electronic systems	2019	ISSN 0351-9465,
9	International Journal of Nano Corrosion Science and Engineering(4.980)	Effect of SDS on the Corrosion Inhibition efficiency of EDTA – ZN ²⁺ System for Carbon Steel in an aqueous solution	2017	ISSN: 2395-7018
10	International Journal of Nano Corrosion Science and Engineering	Influence of chloride ion in Corrosion inhibit mild steel in simulated concrete pore solution overview	2017	ISSN: 2395-7018
11	Der Pharma Chemica 2017,9 (11): 112-116	Thermo Active Ni-Ti Super Elastic Shape Memory Alloy vs 22K old AlLoy Which is More Corrosion Resistant in Artificial Saliva in Presence Jamun (<i>Naaval Pazham</i> or <i>Syzyium cumini</i>) Fruit Juice	2017	ISSN 0975-413X
12	International Journal of Nano Corrosion Science and Engineering	Corrosion Resistance of Metallic Glasses	2016	ISSN: 2395-7018
13	International Journal of Nano	Corrosion Resistance of Mild steel in simulated produced water in presence	2015	ISSN: 2395-7018

	Corrosion Science and Engineering	of sodium potassium tartrate		
14	International Journal of Nano Corrosion Science and Engineering	Utility of an aqueous extract of Beets (Beta Vulgaris L) as Corrosion inhibitor for Carbon steel in well water	2015	ISSN: 2395-7018
15	International Journal of Nano Corrosion Science and Engineering	Corrosion Inhibition by flower extracts-An overview	2015	. ISSN: 2395-7018
16	Portugaliae Electrochimica Acta	Corrosion Resistance of Mild steel in simulated Concrete pore solution in presence of chloride Ion –an Overview (4)	2015	ISSN 1647-1571
17	Innovation in Corrosion and Materials Science, 2015, 5 113-117	Corrosion Inhibition by Self assembling Monolayers on Carbon Steel	2015	2352-0957
18	International Journal of Nano Corrosion Science and Engineering	Corrosion inhibition by dyes from plants	2015	ISSN: 2395-7018
19	Journal of Chemical and Pharmaceutical Research (0.48)	Salicylideneaniline as inhibitor for the corrosion of mild steel in 1.0N hydrochloric acid, (3)	2012	ISSN: 0975-7384
20	Pelagia Research library Der Chemica Sinica (0.676)	Inhibition effect of vanillideneanthranilic acid on the corrosion of aluminium in 1.0 N NaOH	2012	ISSN:0976-8505
21	Pelagia Research library Archives of Applied Science Research (0.32)	Inhibition influence of salicylideneaniline on the corrosion of aluminium in 1.0 N NaOH	2012	ISSN:0975-508X

ORIENTATION PROGRAMMES / REFRESHER COURSES ATTENDED

No.	Name of the Programme	Organized by / Sponsoring Agency	Theme of the Programme	From	To
1.	Orientation Programme	UGC Academic Staff College, Madurai Kamaraj University, Madurai	Teaching Methodology	27-10- 2015	23-11-2015
2.	Refresher Course	UGC Academic Staff College, University of Madras, Chennai	Ecology and Environmental Sciences, (Interdisciplinary)	24-05- 2017	13-06-2017

3	UGC Sponsored Refresher Course	UGC – Human Resource Development Centre, Jawaharlal Nehru University, Delhi.	Physical sciences and Nano sciences	18-11-2019	30-11-2019
4.	UGC Sponsored Refresher Course	UGC – Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh.	Recent Advances in Chemical Sciences (Online Refresher Course)	17.08.2020	29.08.2020
5.	UGC Sponsored Refresher Course	UGC – Human Resource Development Centre, Bhararthiyar University, Coimbatore	Refresher course in chemistry (Online Refresher Course)	10.12.2020	23.12.2020

Books/Reports/Chapters/General articles etc.

S. No	Title	Author's Name	Publisher	Year of Publication
1	Hydrophobicity and Corrosion inhibition	Susai Rajendran V.R.Nazeera banu T.Umasankareswari	LAMBERTS Academic Publishing (ISBN No 978-3-330-05340-3)	2017
2	Corrosion Inhibitors for Coolin Water Systems	Susai Rajendran Abdulhameed Al-Hashem T.Umasankareswari	LAMBERTS Academic Publishing (ISBN No 978-620-2-07051-5)	2017
3.	Indian Nobel Laureates	Susai Rajendran T.Umasankareswari K.Saravanadevi	LAMBERTS Academic Publishing (ISBN No 978-620-2-92039-1)	2020
4.	Nanotoxicity Chapter 6 - Toxicity of silver and other metallic nanoparticles	T.Umasankareswari ¹ Gurmeet Singh ² S.Santhana Prabha ³ Abdulhameed Al-Hashem ⁴ S.Senthil Kumaran ⁵ Susai Rajendran ⁶	Nanotoxicity Prevention and Antibacterial Applications of Nanomaterials Micro and Nano Technologies 2020, Pages 125-141 Elsevier publication https://doi.org/10.1016/B978-0-12-819943-5.00006-3 https://www.sciencedirect.com/science/article/pii/B9780128199435000063	2020
5	Nanosensors for smart Agriculture Section II: Nanosensors	T.Umasankareswari and V.Dharshana	Elsevier publication (ISBN 978-0-12-8245545) DOI	2022

	for Soil quality and control Chapter -9 Soil moisture nanosensors		http://doi.org/10.1016/C2019-0-05461-1	
6.	Basic Aspects of Organic Photochemistry	T.Umasankareswari N.Anitha T.Shanthi	LAP LAMBERT Academic Publishing (ISBN No 978-620-4-97734-8-)	2022
7.	Nanocomposites 13 & 14 chapters 13. Uses of Nanocomposites 14. Catalyst supported Titanium Dioxide Nanocomposites as Photocatalysts	T.Umasankareswari	Jenny Stanford Publishing Pte Ltd ISBN 978- 981- 4968- 17-1	2022

Citation =38, h index-4

Scopus link

<https://www.scopus.com/authid/detail.uri?authorId=55414149600>

Scholar google

https://scholar.google.com/citations?view_op=list_works&hl=en&user=7V-yOJIAAAAJ

[T.UMASANKARESWARI - Google Scholar](#)

Citation = total 107 , since 2017(83), h index-6 , i index -2

PARTICIPATION IN EXAMINERSHIP / QUESTION PAPER SETTING / VALUATION

1. **External Examiner (Practical)** in VVV College, Virudhunagar College for Women, Sivakasi,.
2. **Question paper setter** in Arul Andavar College, Devanga Arts College, Aruppukottai, V.V.V College, Virudhunagar, etc.,
3. **Valuation** Madurai Kamaraj University
4. **I have attended Five FDP and 35 webinar in online mode**

Umasankareswari, T.

Rajapalayam Rajus' Collegedisabled, Rajapalayam, India

- Connect to ORCID
 - Is this you? Connect to Mendeley account
 - Edit profile
 - Set alert
 - Potential author matches
 - Export to SciVal
-

Metrics overview

6

Documents by author

33

Citations by **28 documents**

4

h-index:

Document & citation trends

Combination chart with 2 data series.

The chart has 1 X axis displaying categories. Range: 10 categories.

The chart has 2 Y axes displaying Documents and Citations.

Chart graphic.

DocumentsCitations2012202103020

Documents

Citations

End of interactive chart

Most contributed Topics 2016–2020 Learn more about most contributed topics

- Corrosion Inhibitors; Carbon Steels; Hydrochloric Acid 3 documents
- Dental Alloys; Artificial Saliva; Orthodontic Wires 1 document

View all Topics

6 Documents Cited by 28 Documents 0 Preprints 27 Co-Authors Topics 0 Awarded grants [Beta](#)

Extracts of leaves as corrosion inhibitors – An overview and corrosion inhibition by an aqueous extract of henna leaves (Lawsonia inermis)

Devi, N.R., Karthiga, N., Keerthana, R., ...Singh, G., Rajendran, S.

International Journal of Corrosion and Scale Inhibition, 2020, 9(4), pp. 1169–1193

4

Citation

Inhibition of corrosion of mild steel in sea water by an aqueous extract of turmeric powder

Mahalakshmi, P., Rajendran, S., Nandhini, G., ...Umasankareswari, T., Renuga Devi, N.

International Journal of Corrosion and Scale Inhibition, 2020, 9(2), pp. 706–725

9

Citations

Influence of roseday-5 tablet on corrosion resistance of SS 316L in artificial saliva

Karthiga, N., Praveena, J.M., Deepika, A., ...Umasankareswari, T., Rajendran, S.

International Journal of Corrosion and Scale Inhibition, 2020, 9(2), pp. 595–606

1

Citations

Green solution to corrosion problems - At a glance

Rajendran, S., Srinivasan, R., Dorothy, R., Umasankareswari, T., Hashem, A.A.

International Journal of Corrosion and Scale Inhibition, 2019, 8(3), pp. 437–479

2

Citations

Corrosion resistance of mild steel in simulated concrete pore solution in presence of chloride ions – an overview

Devi, P.N., Rajendran, S., Sathiyabama, J., ...Jeyasundrai, J., Umasankareswari, T.

Portugaliae Electrochimica Actathis link is disabled, 2015, 33(3), pp. 195–200

4

Citations

Salicylideneaniline as inhibitor for the corrosion of mild steel in 1.0 N s hydrochloric acid

Umasankareswari, T., Jeyaraj, T.

Journal of Chemical and Pharmaceutical Research, 2012, 4(7), pp. 3414–3419

3

Citations



Verify email

Email at rrc.ac.in isn't verified yet.

VERIFY

Add photo

Complete your profile.

ADD

Add co-authors

We have co-authors suggestions.

ADD

Cited by

	All	Since 2017
<u>Citations</u>	96	72
<u>h-index</u>	5	5
<u>i10-index</u>	2	2

0
30
15

Co-authorsEDIT

- No co-authors
FOLLOW

T.UMASANKARESWARI

Assistant professor in Chemistry

No verified email

[corrosion](#)

TITLE

- [Corrosion resistance of mild steel in simulated produced water in presence of sodium potassium tartrate](#)
ACC Mary, S Rajendran, H Al-Hashem, RJ Rathish, T Umasankareswari, ...
Int. J. Nano Corr. Sci. Engg 1, 42-50
- [Green solution to corrosion problems-at a glance](#)
S Rajendran, R Srinivasan, R Dorothy, T Umasankareswari, A Al-Hashem
International Journal of Corrosion and Scale Inhibition 8 (3), 437-479
- [Corrosion inhibition by flower extracts: an overview](#)
M Sangeetha, S Rajendran, J Sathiyabama, T Umasankareswari, ...
Int J Nano Corr Sci Eng 2, 14-21
- [Inhibition of corrosion of mild steel in sea water by an aqueous extract of turmeric powder](#)
P Mahalakshmi, S Rajendran, G Nandhini, SC Joycee, N Vijaya, ...
International Journal of Corrosion and Scale Inhibition 9 (2), 706-725
- [Salicylideneaniline as inhibitor for the corrosion of mild steel in 1.0 N hydrochloric acid](#)
T Umasankareswari, T Jeyaraj
Journal of Chemical and Pharmaceutical Research 4 (7), 3414-3419
- [Extracts of leaves as corrosion inhibitors - An overview and corrosion inhibition by an aqueous extract of henna leaves \(*Lawsonia inermis* \)](#)
NR Devi, N Karthiga, R Keerthana, T Umasankareswari, A Krishnaveni, ...
International Journal of Corrosion and Scale Inhibition 9 (4), 1169-1193
- [Corrosion Resistance of Mild Steel in Simulated Concrete Pore Solution in Presence of Chloride Ions—An Overview](#)
PN Devi, S Rajendran, J Sathiyabama, RJ Rathish, S Santhanaprabha, ...
Portugaliae Electrochimica Acta 33 (3), 195-200
- [Utility of an aqueous extract of Beets \(Beta vulgaris L\) as corrosion inhibitor for carbon steel in well water](#)
N Karthiga, S Rajendran, P Shanthi, A Krishnaveni, J Jeyasundari, ...
Int J Nano Corr Sci and Engg 2 (5), 255-269
- [Influence of Metformin Hydrochloride-250 mg \(MFH\) tablet on Corrosion Resistance of](#)

TITLE

[orthodontic wire made of NiCr alloy in Artificial Saliva](#)

S Gowri, BJ Lara, B Kanagamani, A Kavitha, AM Belciya, C Muthunayaki, ...
J Chem Sci Chem Engg 1 (1), 1-10

[Toxicity of silver and other metallic nanoparticles](#)

T Umasankareswari, G Singh, SS Prabha, A Al-Hashem, SS Kumaran, ...
Nanotoxicity, 125-141

[Influence of Roseday-5 tablet on corrosion resistance of SS 316L in artificial saliva](#)

N Karthiga, JM Praveena, A Deepika, AJA Fathima, R Bhuvaneshwari, ...
International Journal of Corrosion and Scale Inhibition 9 (2), 595-606

[EFFECT OF SDS ON THE CORROSION INHIBITION EFFICIENCY OF EDTA–Zn²⁺ SYSTEM FOR CARBON STEEL IN AN AQUEOUS SOLUTION](#)

T Umamathi, S Rajendran, SS Prabha, T Umasankareswari
Int. J. Nano Corros. Sci. Eng 4 (2), 25-38

[Soil moisture nanosensors](#)

T Umasankareswari, V Dharshana, K Saravanadevi, R Dorothy, ...
Nanosensors for Smart Agriculture, 185-216

[CORROSION RESISTANCE OF STAINLESS STEEL 18/8 ALLOY IN RINGER'S LACTATE IN THE PRESENCE AND ABSENCE OF SODIUM CHLORIDE](#)

T Umamathi, S Revathy, S Rajendran, T Umasankareswari
Int J Nano Sci Corr Sci and Engg 7 (2), 23-33

[INFLUENCE OF CHLORIDE ION IN CORROSION INHIBITION OF MILD STEEL IN SIMULATED CONCRETE PORE SOLUTION-AN OVERVIEW](#)

A Suriyaprabha, J Sathiyabama, S Rajendran, RJ Rathish, ...
Int J Nano Corr Sci and Engg 4 (2), 41-81

[Corrosion Inhibition by Self Assembling Manolayers on Carbon Steel](#)

S Gowri, J Sathiyabama, S Rajendran, R M Joany, J Jeyasundari, ...
Innovations in Corrosion and Materials Science (Formerly Recent Patents on ...

[ISSN 0975-413X CODEN \(USA\): PCHHAX](#)

S Priyadharsini, J Kavya Jenifer, T Umasankareswari, P Nithyadevi, ...

[Corrosion Resistance of Metallic Glasses](#)

S Dhasneem, SS Farhana, S Rajendran, T Umasankareswari, ...
INTERNATIONAL JOURNAL OF NANO CORROSION SCIENCE AND ENGINEERING, 48

Articles 1–18
[SHOW MORE](#)