




KSSEM
K. S. SCHOOL OF ENGINEERING & MANAGEMENT

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15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109, Karnataka, INDIA.

Faculty Name	Dr.RADHA.H.R	
Designation	ASSISTANT PROFESSOR	
Educational Qualification	M.Sc., Ph.D.	
Experience in Years	Teaching: 24 years	
Areas of Interest	Electrochemistry Chemistry, Drug synthesis Biodiesel, Nanomaterials, Environmental chemistry	
E-mail	radha.s@kssem.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Bangalore university	1996
PG	Bangalore university	1998
PhD	Vinayaka Mission university	2010

Publications

Journal Publications:

1. H.R.Radha, B.V.Somashekaraiyah, P.V.Krupakara and K.Vinutha

Stress corrosion studies of Titanium Dioxide Particulate reinforced ZA-27 Metal MatrixComposites

International Journal of Trend and Scientific Research and Development (IJTSRD), ISSN

2456-6470 vol-2 issue-6 (Sep-October2018)

2. 2. Radha.H R. Latha Ohelia B V somashekaraiyah.

In-Vitro anti-diabetic activity GC-MS analysis of bioactive compounds present in the

methanol extract of Kalanchoe pinnataIndian Journal of Chemistry. Vol.57B. September 2018, pp 1213-1221

3. Radha.H R. R. Lakshmi, Krupakara P.V., Latha.V

Corrosion characterization of Al2024 Metal matrix composites reinforced with flyash in KCL medium International Journal of Trend in Scientific Research and Development (IJTSRD), ISSN NO.2456-6470, volume2, Issue2, page no707-710, Jan-Feb2018

4. 4.M.V.V. Vara Prasada*, Radha HRa V. Veerannab, Guruprasad Rc and S.S.Praveen

Prediction of binding mode of novel fab inhibitors by molecular docking study World Journal of Pharmacy and Pharmaceutical Sciences SJIF Impact Factor 6.041. Volume 6, Issue 01, XXX-XXX Research Article ISSN 2278 – 4357. 2017

5. .M.V.V. Vara Prasada*, Radha HRa V. Veerannab, Guruprasad Rc and S.S.Praveen

Molecular docking studies of 6-fluoro-8-hydroxy-4-1,4-dihydroquinoline-3-carboxylic acid derivatives as antibacterial agents World Journal of Pharmacy and Pharmaceutical Sciences SJIF Impact Factor 6.041. Volume 6, Issue 01, XXX-XXX Research Article ISSN 2278 – 4357. 2017

6. .M.V.V. Vara Prasada*, Radha HRa V. Veerannab and S.S.Praveen,

Synthesis and Antimicrobial evaluation of substituted fluoroquinolones under conventional and microwave irradiation conditions. European Journal of Chemistry 8(2) 2017 144-148

7. Radha.H R. Latha Ohelia B V somashekaraiiah. Krupakara

Phytochemical Analysis & invitro antioxidant activity of kalanchoe pinnata Vidyawartha.UGC approved International Multilingual research Journal ISSUE-16.Vol-01, Oct to Dec.2016

8. Radha.H.R.Sathishkumar.S , A.V.Suresh ,

Study the chemical stability effect of thermal barrier coating by thermal testing and FEA. Published in International Journal of scientific & Engineering Research Journal, Volume 5, Issue 6, Page number 498 to 501, June 2014

9. Radha H R1 , Krupakara P V2, Sathish kumar s3, Vinutha K4 VeenaDevi5 Weight loss corrosion studies of al6061 / quartz metal matrix composites in sea water Vol 3 issue4, page no.133 to 136 IJIRD journal, April 2014 issue

10. Radha.H.R Sathishkumar.S , A.V.Suresh , S.C. Sharma,

Drill Ability Studies of Jute Fibre Reinforced Plastic Sandwich Structures in various surrounding conditions. Published in IJIERD Journal, Volume 5, Issue 1, January- February (2014), PP.01-09

11. 1. H.R.Radha, B.V.Somashekaraiiah, P.V.Krupakara and K.Vinutha

“Corrosion inhibition studies of AL6061 /Quartz metal matrix composites in NaoH solution”,

Journal of Ultrachemistry. Vol.7(3),503-507(2011)

12. H.R.Radha, B.V.Somashekaraiah, P.V.Krupakara and K.Vinutha

“Potentiodynamic polarization studies of AL6061/Quartz MMC’S in NaCl solution-aGalvanostatic study”, Journal of Ultra chemistry. Vol.7(3),487-492 (2011)

13. H.R.Radha, B.V.Somashekaraiah, P.V.Krupakara and K.Vinutha

“Electrochemical studies of ZA-27/SiO₂ metal matrix composites in NaCl solution by weight loss corrosion”, Journal of Ultrachemistry. Vol.6(1), 53-60 (2010)

14. H.R.Radha Evolution of physico-chemical and biological characteristics of reservoir water. study Samyoga an academic journal T John group of Institution

15. Study on chemical treatment for long sisal fibers for the direct extrusion process IJRAME , Vol.9 issue 10, October 2021

16. Study of Various Epoxy-Based Surface Coating Techniques for

Anticorrosion Properties,T Ramakrishnan , K Raja Karthikeyan,2 V Tamilselvan,3 S Sivakumar,4Durgaprasad Gangodkar ,5 H R Radha,6 Anoop Narain Singh,7 and Yosef Asrat Waji Hindawi Advances in Materials Science and Engineering Volume 2022, Article ID 5285919, 8 pages

<https://doi.org/10.1155/2022/5285919>

Conference Papers :

Paper presented at International Conferences in India.

1. "Physico-Chemical Evaluation of Byramangala Lake Water-A case study. Was presented in international workshop on integrated water source management (IWRM-2007) held during 5th to 7th February, 2007 at Bangalore
2. "Weight loss Corrosion Studies of Al6061/ Quartz Metal matrix Composites in Sodium Hydroxide Solutions" was presented at poster session poster session Fourteenth National Congress on Corrosion Control, conducted by National Corrosion Council of India, CECRI, Karaikudi, T Nadu and Indian Institute of Chemical Technology, Hyderabad to be held during 18-20 September 2008 at Green park, Begum Pet, Hyderabad.
3. "Effect of Addition of Quartz Particulates on the Open Circuit Potential Studies of Al6061 alloy in Acid Chloride solutions" was presented orally at Fourteenth National Congress on Corrosion Control, conducted by National Corrosion Council of India, CECRI, Karaikudi, T Nadu and Indian Institute of Chemical Technology, Hyderabad to be held during 18-20 September 2008 at Green park, Begum Pet, Hyderabad.
4. Open Circuit potential studies for the corrosion characterization of AL6061/Quartz metal matrix composites in alkaline solution. Poster presentation done in one day National conference on Recent Advances in Chemical and Environmental Sciences (NCRACES-2011) 28th-29th December -2011 held at Jain university
5. "Electrochemical mechanism studies of AL6061/Quartz metal matrix composites in neutral chloride solution. Poster presentation done in two days National conference on Recent Advances in functionalized materials, held at MSR Institute of technology during 24-25 January 2012
6. "Predicting galvanic corrosion of Al6061/ quartz MMCS in hydrochloric Acid medium accepted for poster presentation in UGC and DST Sponsored National Conference on CHEMISTRY – CHALLENGES & OPPORTUNITIES (NCCCO – 2012) 16th – 18th February, 2012 at St. Joseph's College (Autonomous) Lalbagh Road, Bangalore

Awards

1.

**Dr APJ Abdul kalam award for research and teaching experience BY
INTERNATIONAL INSTITUTE FOR SOCIAL AND ECONOMIC REFORMS,
BENGALURU**

**OUTSTANDING FACULTY AWARD FOR THE YEAR 2018 BY ARUNAI
GROUP AT INTERNATIONAL CONFERENCE HELD
ON INTERDISCIPLINARY RESEARCH TECHNOLOGY AND
INNOVATION, HELD AT BAAN SUKHA WADEE, PATTAYA, THAILAND**

Training Programmes Attended

Novel Research Academy: Academic Excellence Award, 2021-22

Other Accomplishment

1.

**Got First place for oral presentation of research paper in National conference
on Recent advances in applied Sciences at AMC Engineering college -
2016 held on 25th April 2016**

**2. Got First place for oral presentation of research paper in the state level
seminar ECMESS-2015 held on 12th and 13th February 2015 at
St. Joseph's College (Autonomous), Bangalore-27**

**3. Got First place for Poster presentation of research paper in the state level
seminar ECMESS-2015 held on 12th and 13th February 2015 at
St. Joseph's College (Autonomous), Bangalore-27.**

**4. Got I place for poster presentation of research paper in the National
conference on Current Trends In Scientific Research For Engineering
Applications (NCSEA-2014), held on 17th and 18th July 2014, organized
by the Departments of Science, St. Joseph's Engineering College,
Vamanjoor , Mangalore, Karnataka**

**5. Got I place for oral presentation of research paper in the National
conference on Advances in Mechanical Engineering (AIM-14) held on
25th April 2014 at T John Institute of Technology, Bangalore-83.**

Patents:

1. RENEWABLE WIND POWER THROUGH MODIFIED WIND TURBINE ROTOR FOR OPTIMAL POWER MANAGEMENT IN SMART CITIES

IP right number:2021101376, Australian government , IP Australia

2. CLOUD SECURITY MONITORING WHILE A NEW NODE ENTERING IN A CLOUD NETWORK, Copyright office government of India, Dated : 03/09/2021,L-107267/2021

3. Economic optimization of shell and tube heat exchanger using jaya

algotitham, Registration number: 1185359, 19.08.2021. Canada

(Authors: Dr. Arun Singh Chouhan, Dr. Algubelly Yashwanth Reddy, Dr. Ganesh Kumar R, Dr.Radha.H.R)

Research Guidance

Guiding FIVE research scholars for their PhD degree.

M.Sc. Student project guided

As Chemistry teacher guided the final year M.Sc Biotechnology students at T John College for the following project as a part of there M.Sc Degree course: Physico –Chemical analysis of lake water

BE Student project guided

Guided 8th sem Mechanical engineering students for Hydrogen fuel cell project sanctioned grant by KSCST and got “BEST PROJECT OF THE YEAR AWARD “ BY KSCST.

DURING the year 2015-2016 .

Guided 8th sem Mechanical engineering students for Biodiesel synthesis and application for agriculture vehicles project , during the year 2016-2017 .

Guided 8th sem Civil engineering students for Lake water analysis project ,during the year 2016-2017 .

Guided II sem engineering students of TJIT for science project on humors in science during 2009 and 2010 to participate in science fest held at

PESIT,Bangalore

Professional Membership

Membership of Scientific Society

1 Life Member: Indian Society of Technical Education

2 Life Member: Luminescence society of India :Karnataka chapter

3 Fellow, Society for Advancement of Electrochemical Science and technology, Karaikudi

4 Reviewer for STM Journal of Modern Chemistry & Chemical Technology.

5 ISO consultant- completed certified course on internal audit in ISO 9001:2008

6 Obtained certificate from ISO for best performance in chemistry department during 2011 external ISO audit

Contact Details

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KSSEM,BANGALORE**

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