

## Resume

**Dr.HARI KRISHNA S.M.Sc, M.Phil, Ph.D**

**Associate Professor, Head Department Of Chemistry**

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### QUALIFICATION:

Ph.D. title "Investigation of The Potential of Some Plant Extracts to Inhibit the Corrosion of Mild Steel in Corrosive Media."

Year	Class	Institution	Percentage
2016	Ph.D	Pacific University	
2006-2007	M.Phil	Madurai Kamraj University	
2005	M.Sc. (Physical chemistry)	Bangalore University	67
2003	B.Sc. (Ind. Chem, Maths, chem.)	S.J.R. College Bangalore	75

### EXPERIENCE

**Research: 2 Years.**

**Teaching:13.0Years.**

**Working as an Assistant Professor since 2005, Co-Coordinator & Associate Professor for Department Of Chemistry, Sri Sairam College of Engineering from 2015 till date.**

### Dynamic Responsibilities

1. Organizing College days since 2009
2. Organized 2 International Conference i7C, Co organized by IFERP
3. Organized 5 FDP Programs Successfully in college since 2014
4. Organized 21day Induction program for 1<sup>st</sup> year BE students for the academic year 2018-19

### **The Responsibilities Affianced:**

1. Presently **Coordinator for the Chemistry Department.**
2. Department EDUMATE Coordinator.
3. Department ISO coordinator.
4. ISO 9001-2008 Certified Internal Auditor.
5. Secretary of Sri Sairam College Alumni Association<sup>®</sup>
6. Cultural committee member till date
7. Steering committee member/ coordinator (All Induction & College Day)
8. Time table coordinator
9. Class coordinator (Every semester)
10. Mentor for I-year students
11. Worked in JNANASOURABHA committee (CSR activity)
12. Coordinator for the Culture creators (TQM)
13. Alumni Co-Ordinator
14. Deputy Chief of University Exams
15. Chief Superiendent of Exams
16. Purchase Committee member
17. Cultural coordinator (2010-2012)

### **AWARDS**

- 1) **“Open Research Award”** from Confederation of Education Excellence, Delhi, on **22/04/2017** at Hotel Crown plaza, New Delhi. Event was graced by Dr. UdjitRaj (Ex IRS)MP Lokasabha.
- 2) **“Award for Research Excellence”** from Indus Foundation , USA, on **24/07/2017** at HOTEL Lalit Ashok, Bangalore. Event was graced by Sri. MuralidharHalappa, Chairman, KSDC
- 3) **“Best Teacher”** for academic Year 2016-2017, on **5<sup>th</sup>sept 2017**, Sri Sairam College Of Engineering
- 4) **“Bharat Vikas Award,”** from Institute of Self Reliance, on **19/11/2017** at press club of Odisha, Bhubaneswar.
- 5) **“Young Scientist”** from ASDF, SIAA 2018 on 7<sup>th</sup> of April 2018

## **ACHIEVEMENTS**

1. **100%** Result in chemistry in **April 2009 & April 2011** VTU exam
2. Above **90%** Result in all other VTU exams
3. **100%** Result in all Environmental studies VTU exams.
4. **100%** Result in all chemistry VTU Lab exams.
5. **Guided two students for M.Phil.**

## **Professional Memberships**

1. Life member in the **Electrochemical Society of India, Indian Institute of Science, Bangalore**
2. Member of **ISTE Chapter**
3. **CGER** Life Member
4. **ISR** Fellow Member

## **CITATIONS**— Courtesy Google scholar

Citations 1063

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## **Guideship**

- 1) Guiding 2 students for Ph.D in VTU
- 2) Guiding 1 student for Ph.D at Pacific University

## Papers Published In International Journals

Sl.No	Title Of Paper	Authors
1	<i>"Inhibition of Corrosion of mild steel in 2M HCl by Determination of optimal experimental parameters using Factorial Design - A preliminary study" in International Journal of ChemTech Research, Vol.10 No.4, pp 397-403, 2017</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum, Irfan Ulla Khan</b>
2	<i>"Factorial Design Application For The Protection Of Mild Steel From Corrosive Medium Using Castor Seed Oil As Inhibitor" International Journal of ChemTech Research, Vol.6, No.4, pp 2385-2390, July-Aug 2014</i>	<b>HariKrishnaS,Dr.Abida Begum</b>
3	<i>"Antibacterial Potential and Corrosion Inhibition Efficiency Of Emblica Officinalis (Amla)" International Journal of ChemTech Research, Vol.6, No.2, pp910-915 , Apr-Jun 2014</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum</b>
4	<i>"Performance of Fenugreek (Trigonella foenum graecum) Seed Extract As Inhibitor On Mild Steel Under Corrosive Medium- A Statistical View" International Journal of ChemTech Research, Vol.5, No.4, pp 1829-1834, April-June 2013</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum</b>
5	<i>"Performance of Fenugreek (Trigonella foenum graecum) Seed Extract As Inhibitor On Mild Steel Under Corrosive Medium- A Statistical View" International Journal of ChemTech Research, Vol.5, No.4, pp 1829-1834, April-June 2013</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum</b>
6	<i>"Adsorption and Inhibitive Properties of Coffee seed (Coffearabica) Extract on Mild Steel in Hydrochloric acid" International Journal of ChemTech Research Vol.4, No.3, pp991-995, July-Sept 2012</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum</b>
7	<i>"Phytochemical Investigation And Study On Corrosion Inhibition Properties Of PongamiaPinnata (L) Pierre LeafExtract"Elixir International Journal,Elixir Corrosion 62(2013),pg 17908-17911</i>	<b>Dr.HariKrishnaS,Dr.Abida Begum</b>
8	<i>Evaluation ofCorrosion inhibitory properties of Naphtho[2,1-b]furan derivativeson mild steel in sulphuric acid, P5 59-65CODEN - JESIA 61 [2-3] 46 - 94 , 2012 ISSN:0013-466X,Vol.No-61,No.2-3,April-July 2012</i>	<b>Abida Begum, Ramaiah.M ,S. HariKrishna,Irfanulla Khan and VeenaK</b>
9	<i>Influence of sewage sludge compost on the cultivation of Maize (Zea mays L.)<a href="http://www.eco-web.co">www.eco-web.co</a> March 2011</i>	<b>Abida Begum, HariKrishna.S</b>
10	<i>Pathogens and Heavy metals concentration in green leafy vegetables international Society of environmental botanist , Environews, March 2010</i>	<b>Abida Begum, S. HariKrishna</b>
11	<i>Bioaccumulation Of Trace Metals By Aquatic Plants, International Journal of ChemTech Research, Vol 2,No.1, Jan-Mar, pp250-254</i>	<b>Abida Begum, HariKrishna.S</b>
12	<i>Monitoring Air Pollution Using Lichens Species in South Bangalore, Karnataka, International Journal of ChemTech</i>	<b>Abida Begum, HariKrishna.S</b>

	Research, Vol 2, No.1, Jan-Mar, pp255-260	
13	Evaluation of Some Tree Species to Absorb Air pollutants in three industrial locations of South Bengaluru, E-Journal of chemistry , vol. 7, No.S1,2010, S151 –S156	Abida Begum, <b>S. HariKrishna</b>
14	Pathogens and Heavy metals concentration in green leafy vegetables, , E-Journal of chemistry , vol. 7, No.S1,2010, S552 –S558	Abida Begum, <b>S. HariKrishna</b>
15	Phytoremediation study of Aquatic Macrophytes collected from five lakes of Bangalore, Karnataka International Journal of ChemTech Research Vol.2, No.1 Jan-Mar 2010,pp250-254	Abida Begum, <b>S. HariKrishna</b>
16	A Survey of persistent organochlorine pesticides residues in some Streams of the Cauvery River, Karnataka, India, International Journal of ChemTech Research, Vol.1, No.2, pp 237-244, April-June 2009	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan
17	Analysis of Heavy metals in Water, Sediments and Fish samples of Madivala Lakes of Bangalore, Karnataka, International Journal of ChemTech Research, Vol.1, No.2, April-June 2009, pp245-249	Abida Begum, <b>S. HariKrishna</b>
18	Analysis of Heavy metals concentration in Soil and Lichens from Various localities of Hosur Road, E-Journal of Chemistry 2009,6(1), pp13-12	Abida Begum, Ramaiah.M , <b>S. HariKrishna</b> , Irfanulla Khan and Veena K
19	Heavy Metal Pollution and Chemical Profile of Cauvery River water, E-Journal of Chemistry 2009,6(1), pp47-52	Abida Begum, Ramaiah.M , <b>S. HariKrishna</b> , Irfanulla Khan and Veena K
20	Enhancement of the Inhibitor Efficiency of Atropine Methochloride in Corrosion Control of Mild Steel in Sulphuric Acid, E-JChem, vol 5, No. 4 Oct. 2008, pp774-781	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan and Veena K
21	Cost effective method of removal of fluoride from waste water, Nature Environment and pollution control Journal April 2008 Vol 11 No.3. pp64-67	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan
22	Nutrients and Heavy metal profile of Madivala Lake Bangalore South, Nature Environment and pollution technology journal vol.8 No 1., 2009, pp171-178	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan
23	Analysis of Fluoride level in water and fish species of Sankey, Bellandur and Madivala Lakes of Bangalore, Rasayan Journal of Chemistry , Vol 1, No.3, ( 2008) pp572-580	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan
24	Analysis of Fluoride level in water and fish species of Sankey, Bellandur and Madivala Lakes of Bangalore Rasayan J. of Chem. Vol.1, No.4 2008, pp596-601	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan
25	Environmental fluoride level in Anekal Taluk of Bangalore District, Rasayan J. of Chem. Vol.1, No.4 2008, 774-781	Abida Begum, <b>S. HariKrishna</b> , Irfanulla Khan

## **PAPERS PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES**

- 1) Presented a paper in **International Conference** organized by **IFERP** on 16<sup>th</sup> & 17<sup>th</sup> Nov 2017 titled “*Comparative Studies of Corrosion Inhibitive Properties of Benzofuran-2- Carboxylic acid & Amla Leaves on mild steel in acid media.*”
- 2) Presented a paper in **International Conference On Electrochemical society & Technology (ICONEST-2017)** Organized By Electrochemical Society Of India, IISC, Bangalore during 10<sup>th</sup> -12<sup>th</sup> Aug 2017 titled
- 3) Presented a paper in **International Conference On ILAFM-2016 organized by RV College of Engineering, Bangalore, on 21<sup>st</sup> & 22<sup>nd</sup> Dec 2016** Titled “*Determination Of The Optimal Experimental Parameters Using Factorial Design For The Corrosion Inhibition of Mild Steel In 2M HCL- A Preliminary Study.*”
- 4) Presented a paper in “**National Conference On RACC 2015 Organized By Dayanand Sagar University , On 16<sup>th</sup> Dec 2015 at Dayanand Sagar University, Bangalore, titled “*Phytochemical Analysis & Corrosion Inhibition Efficiencies Of Plant Extracts For Mild Steel In Acid Medium*”**
- 5) Presented a paper in **International Conference On Electrochemical society & Technology (ICONEST-2014)** Organised By Electrochemical Society Of India, IISC, Bangalore during 7<sup>th</sup> -9<sup>th</sup> Aug 2014 titled “*Corrosion Inhibition Of Mild Steel Using Castor Seed Oil As Inhibitor- A Factorial Design Application*”
- 6) Presented a paper in “**National Conference on Challenges And Opportunities For Chemical Sciences In 21<sup>st</sup> Century**” Organised by Karnataka state Higher Education Council & Tumkur University, on 8<sup>th</sup> Jan 2013, held at Karnataka state Higher Education Council Bangalore, titled “*Spectrophotometric Method For The Determination Of Iodate Using Brilliant Blue FCF.*”
- 7) Presented a paper in “**National Conference on Frontiers And Challenges In Biological Organometallic Compounds**” (FCBOM-2013) Organised in MSRIT, Bangalore from 20-21 June 2013, titled “*Statistical analysis for the Performance of Fenugreek (Trigonella foenum graecum) seed aqueous extract as corrosion inhibitor on mild steel in 2 M hydrochloric acid.*”
- 8) Presented a paper in “**National Conference on “Scope of Advanced Materials in Energy & Environment” (SAMEE2013)** organized by the Department of Chemistry at CMR Institute of Technology, held on 7-8 August ,2013 titled “*Antibacterial*

*potential and corrosion inhibition efficiency of Emblica officinalis (Amla) of emblica officinalis (amla)”*

9) Presented a paper in “**National Conference On Recent Advances In Functionalized Materials**” (RAFM-12) conducted in MSRIT, Bangalore from **24-25 Jan 2012**, titled “*Corrosion inhibition efficiency of Fenugreek (Trigonella foenum graecum) seed extract on mild steel under corrosive media- A comparative study.*”

10) Presented a paper in “**International Conference On Recent Advances In Materials Sciences**”(RAMS-2012) Organised by Karnataka state Higher Education Council at Atria Hotel, Bangalore from **6<sup>th</sup> -8<sup>th</sup> Nov 2012**. The paper titled “*Mylius Thermometric Technique to study Corrosion Inhibition Efficiency Of Coffee Seed (Coffee Arabica) Extract On Mild Steel Under Corrosive Media.*”

11) Presented a paper in “**National Symposium On Electrochemical Science & Technology**” Organized by , IISC, Bangalore India, from July16-17/2010. The paper titled “*Corrosion Inhibitive Properties of Benzofuron-2-carboxylic acid in the presence of halides for mild steel ”*

12) Presented a paper in “**National Symposium On Electrochemical Science & Technology**” Organized by , IISC, Bangalore India, from July16-17/2010. “*Synergistic effect of addition of Ni<sup>2+</sup> and Cu<sup>2+</sup> in the presence of halides on the corrosion inhibition behavior of mild steel using Schiff’s Base as inhibitor*”

### **WORKSHOPS/ SEMINARS PARTICIPATED**

1) Attended 10 day (3+7) workshop on Student Induction Program Conducted by AICTE, organised at SVCE Bangalore & JSS University, Mysore from 20/6/2018 to 23/6/2018 & 9/7/2018 to 15/7/2018 respectively.

2) Organized & Participated in **3 day Faculty Development Program Titled “Innovative Teaching Pedagogy & Student Management”** On 14<sup>th</sup>, 15<sup>th</sup> & 18<sup>th</sup> July 2016 at Sri Sairam College Of Engineering College, Bangalore.

3) Organized & Participated in **4 days Faculty Development Program “Outcome Based Education & Road Map For Accreditation ”** From 18<sup>th</sup> to 21<sup>st</sup> January 2017 at Sri Sairam College Of Engineering College , Bangalore.

4) Participated in One day workshop on “**Wealth from Waste**” on 19<sup>th</sup> June 2015, Organised by Electrochemical Society of India, IISC, Bangalore

- 5) Participated in four day faculty development program on **“IPR, Stress management & effective counseling Techniques”** from 01/01/15 to 05/01/15 At Sri Sai Ram college of Engineering, Anekal
- 6) Participated in two day workshop on **“Applications Of Polymers In Automobile & Aerospace Industry ”** on 3<sup>rd</sup> & 4<sup>th</sup> Dec 2014, Organized by SSIT, Tumkur
- 7) Participated in One day workshop on **“ Basic Science Syllabus For BE Students”** Organised by UBDTCE, Davangere, on 19<sup>th</sup> Aug 2014
- 8) Attended Total Quality Management Training Program on 23<sup>rd</sup> August 2014.
- 9) Attended Total Quality Management Training Program on 22<sup>nd</sup> and 23<sup>rd</sup> July 2014
- 10) Participated in **“ Five Day Faculty Skill Enrichment Programme”** From 20<sup>th</sup> -24<sup>th</sup> Jan 2014 Organized by Shirdi Sai Engineering College, Bangalore
- 11) One day workshop on **“Water And Water Treatment”** Conducted by Electro chemical Society Of India, IISC, Bangalore, in association with KSPCB, Bangalore and Council Of Scientific & Industrial Research, New Delhi, held at IISC campus on **30th Jan 2013.**
- 12) Two day workshop on **“ Seminar On Eco-Friendly Metal Finishing Process & RoHS Compliance Processes”** organized by Electro chemical Society Of India, IISC, Bangalore, in collaboration with Council Of Scientific & Industrial Research, New Delhi, held at IISC campus on **14th & 15th June 2012.**
- 13) Two day workshop conducted by ISTE chapter on **17<sup>th</sup> & 18<sup>th</sup> Nov 2011** at PESIT campus, Bangalore
- 14) Attended workshop on **“Micro Fabrication and Nano Technology”** from **23<sup>rd</sup> to 25<sup>th</sup> September 2010** at Shirdi Sai Engineering College Anekal , Begaluru-562106
- 15) One day workshop on **“Recent Advances In Electrochemical and Surface Science And Engineering”** Organized by Department Of Chemistry, BNMIT, Bangalore, on **26<sup>th</sup> Aug 2010**
- 16) Participated in **“HRD Programme”** Conducted at IHA, Bangalore, On 29<sup>th</sup> to 30<sup>th</sup> Jan 2010
- 17) Participated in One day workshop on **“Hazardous Waste management”** Organized



by Acharya Institute Of Technology, Bangalore, on 29<sup>th</sup> Sept 2006

**Personal Profile:**

**Name:** Dr HARI KRISHNA.S

**Fathers Name:** SUBBIAH.V

**Date of Birth:** 24-02-1983

**Hobbies:** Listening to music

**Sex:** Male

**Marital Status:** Married

**Languages Known:** English , Kannada, Telugu ,Hindi, Tamil

**DATE- 14/12/2018**

**Dr. HARI KRISHNA.S**