

Dr. A. KRISHNAVENI

Head & Assistant Professor (Department of Chemistry)
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Personal Details

Date of Birth : **05-03-1972**

Communication Address : **1/9 TWAD Colony First street**
: **Thirumalpuram (Post)**
: **Madurai-625 014**

Teaching Experience U.G : **15 Years 8 Months**

Publication & Research Experience

No. Of papers Published : **12 (3 Conference proceeding)**

No. Of Paper Presented : **14**

Research experience : **04**

Area of Specialization : **1. Corrosion of behaviour of metals in Artificial Saliva in the presence of Tablet**
2. Organic Chemistry
3. Inorganic Chemistry

Position held in Yadava College : **1.Member in IQAC**
2.Member in Calendar committee
3. Member in Alumni Association
4. Member in Canteen Committee
5. Member in Teacher's Co-operative Society
6. Deputy Warden in hostel
7. Member in discipline Committee
8. Women's empowerment cell coordinator
9. Internal complaints cell coordinator
10. Member in Examination Committee
11. Member in malpractice committee
12. Coordinator - NAAC criterion VII

Academic Qualification

S.No	Degree/Diploma/ Certificate	Discipline	Name of the Institution	Class	Year of Passing
1	B.Sc.,	Chemistry	S.F.R.College, Sivakasi	First	1992
2	M.Sc.,	Chemistry	S.F.R.College, Sivakasi	First	1994
3	M.Phil.,	Chemistry	Madurai Kamaraj University-Madurai	First	1996
4	Ph.D.,	Chemistry	Madurai Kamaraj University		Dec 2013
5	B.Ed., (Other certificate)	Chemistry	Madurai Kamaraj University	1995	Theory-First Prac-Second

ServiceParticulars

	Asst.Professor	YadavaCollege, Madurai
June 2002toJan 2005	Asst. Professor	Yadava College, Madurai

Academic Honors

Secured Seventh rank at the M.Sc., Degree examination held in April 1994.

Research Experience

- 2009-2013Part timeResearchFellow,G.T. N. Arts and Science College, Dindigul.
- Topic: Corrosion behaviour of metals in Artificial Saliva in the presence of Tablet
- Water Analysis
- Determination of Total Acidity of fruit juice using Green and Chemical Indicator

Organizing Secretary

- Organizing intercollegiate workshop on drinking water quality on 10-02-2012
- One day seminar in Innovation in Chemistry on 10th October 2014, Sponsored by UGC-Autonomy grant.
- One day workshop on Analytical Chemistry in consumer protection on 14th Oct 2015
- One day Inter collegiate workshop on Careers in Chemistry (Training cum placement program) on 6th October 2016.
- Spoken English course, To improve the communicative skill of our students
- Awareness programme on food safety on 7th Aug 2019.
- Organizing intracollegiate seminar in every year (21 seminar conducted to till date)
- E-Quiz on General Chemistry based on competitive examination, 05-07-2020 to 07-07-2020

Orientation/Refresher/FDP Attended

S. No	Programmes	Theme	Organized By	Date
1	Orientation Programme	Environmental studies	Yadava College, Madurai-14	18-01-2008 to 25-01-2008
2	Orientation Programme		UGC, Academic staff College, Madurai Kamaraj University	08-07-2010 to 04-08-2010
3	Refresher Course in chemistry	Current Trends in Chemistry	UGC, Academic staff College, Madurai Kamaraj University	12-07-12 to 01-08-12
4	Orientation Programme	Recent Needs for Chemistry Teeners	UGC, Academic staff College, Madurai Kamaraj University	23-12-2014 to 12-01-2015
5	Refresher Course in Basic Science	Process in Basic Science through inter disciplinary approach	Organized Human Resource Development Centre, Madurai Kamaraj University	09-03-2018 to 29-03-2018
6	FDP	Material Science and Nanotechnology-2020	B. S. Abdur Rahman Crescent institute of Science and Technology, Chennai	03-08-2020 to 17-08-2020
7	FDP	Contemporary Amelioration in Nanostructured materials	JeppiarEngg. College Chennai-119	21-08-2020 to 27-08-2020
8	FDP	Smart technologies for Drug design, energy & environment	Kumaraguru College of Technology Coimbatore	01-09-2020 to 07-09-20

Research Project

“A study on the quality of drinking water in the villages around Yadava College” Research project was sanctioned by UGC-special grant in 2008-2009. Grant sanction amount Rs. 5,000/-”.

Articles Published in International Journal

1. S. Rajendran, V. Uma, A. Krishnaveni, J. Jeyasundari, B. Shyamaladevi and M. Manivannan "Corrosion behavior of metals in artificial saliva in presence of D-glucose", The Arabian journal for science and engineering, 34(2c), 2009.
2. A. Leemarose, A. Peterpascal, Susai Rajendran, Felica Rajammal Selvaraj and A. Krishnaveni, T. Karuppanapandian, "Synergistic effect of Fructose and Zn^{2+} in controlling corrosion of carbon steel", Journal of Zastimateriajala, 51(4) 2010.
3. M. Sangeetha, S. Rajendran, J. Sathiyabama, A. Krishnaveni, P. Shanthi, N. Manimaran, B. Shyamaladevi, "Corrosion inhibition by aqueous extract of phyllanthusamarus". "Journal of PortugalieElectrochimica Acta 29(6) 2011, 429-444.
4. S. Rajendran, K. Anuradha, K. Kavipriya, A. Krishnaveni and AngelinThangakani, "Inhibition of corrosion of carbon steel in sea water by Sodiummolybdate- Zn^{2+} system" Journal of European Chemical Bulletin, 12, 2013, 503-510.
5. R. Saranya, S. Rajendran, A. Krishnaveni, M. Pandiarajan and R. Nagalakshmi, "Corrosion resistance of metal and alloy in Artificial saliva-An Overview", Journal of European Chemical Bulletin, 2(4), 2013, 63-170.
6. R. Saranya, Susairajendran, A. Krishnaveni and J. Jeyasundari, "Corrosion resistance of 18ct gold in artificial saliva in presence of D-glucose" Journal of European chemical Bulletin, 2(6), 2013, 389-396.
7. C. Mary Anbarasi, S. Rajendran, M. Pandiarajan and A. Krishnaveni, "An encounter with Corrosion Inhibitors" Journal of European Chemical Bulletin, 2(4), 2013, 9-20.

Research Paper Publication in Journal/Conference Proceedings (during last 5 years/Best 05 Paper):

S.No	TITLE WITH PAGE NOS	PUBLICATION TYPE	JOURNAL ISSN/ISBN NO	REFEREED OR NOT	SOLE/ CO-AUTHOR
8.	CORROSION RESISTANCE OF 18CT GOLD IN SYNTHETIC SALIVA IN PRESENCE OF ALMOX 250 DT TABLET PAGE NO: 558-561.	JOURNAL OF EUROPEAN CHEMICAL BULLETIN 2013	---	REFEREED	CO-AUTHOR A.KRISHNVENI S.RAJENDRAN
9.	CORROSION RESISTANCE OF SS316L ALLOY IN ARTIFICIAL SALIVA IN PRESENCE OF ALMOX 250 DT TABLET PAGE NO: 736-740	JOURNAL OF EUROPEAN CHEMICAL BULLETIN 2013	---	REFEREED	CO-AUTHOR A.KRISHNAVENI S.RAJENDRAN
10.	GROUND WATER STATUS IN MADURAI DISTRICT – A PILOT STUDY PAGE NO: 164-168	PROCEEDINGS UGC SPONSORED INTERNATIONAL CONFERENCE ON SOLUTIONS TO ECOLOGICAL CHALLENGES : MULTIDIMENSIONAL PERSPECTIVES (BOOK INTERNATIONAL CONFERENCE)(2014)	ISBN NO: 978-81- 926370-2-0	REFEREED	CO-AUTHOR A.KRISHNAVENI S.RAJESHWARI

11.	CORROSION RESISTANCE OF SS3161. ALLOY IN ARTIFICIAL SALIVA IN PRESENCE OF CIPROWIN 500MG TABLET PAGE NO: 58-66.	PROCEEDINGS OF THE NATIONAL SEMINAR ON MODERN TRENDS IN CHEMISTRY MTC-20 (JAN. 2015)	ISBN NO: 978-93-85109-02-7	REFEREED	SOLE A.KRISHNAVENI
12.	CORROSION RESISTANCE OF SS3161. ALLOY IN ARTIFICIAL SALIVA IN PRESENCE OF METRONIDAZOLE 400MG TABLET PAGE NO: 72-77.	PROCEEDINGS OF UGC SPONSORED NATIONAL CONFERENCE ON FRONTIER AREAS IN CHEMISTRY (FAC-2015)YEAR FEB...2015	ISSN NO: 2349-8684	REFEREED	CO-AUTHOR A.KRISHNAVENI S.RAJENDRAN

Seminar/ Conference/ Workshop/Attended

S. No	Name of the Seminar/Conference/Workshop/Symposia etc	Name of the Sponsoring Agency	Place and Date
1.	Intercollegiate Seminar Prof. Evelynrhine Lecture Series 2008	-----	Lady Doak College, Madurai; 19-02-2008
2	National Seminar on Quality Enhancement strategy – towards Excellence	NAAC	Yadava College, Madurai-14 01-09-2009
3	National Seminar on Renewable Energy Sources	UGC	Yadava College in Collaboration with Loyola Institute of Frontier Energy, 04, 05 March-2010
4	National Seminar on “Recent Trends in Chemistry” and Ms. N. Shakunthala Endowment Workshop, “Marching towards Green Laboratory”	UGC	Fatima College Madurai 25-01-2012
5	National Seminar on Emerging Trends in Chemistry	UGC	C.P.A. College, Bodinayakanur 04, 05, Oct-2012
6	National Seminar on Futuristic trends in Chemistry	UGC	Meenakshi College, Madurai 06-02-2013
7	International Conference on Biological Inorganic Chemistry	UGC	Periyar University Salem 20, 21, 22, Feb-2013
8	National Seminar on Emerging Trends in Chemistry	UGC	Sourashtra College Madurai-4 09-03-2013
9	National Seminar on “Recent Trends in Chemistry-III-Lumichem-2013	UGC	S.F.R. College, Sivakasi 12-0-2013
10	International Conference on Recent advances in Textile and electrochemical sciences	UGC	Alagappa University, Karaikudi 21-23, March 2013
11	One day workshop on quality education and Human touch-WSQENT-2014	UGC-Special grant	Dept. Of. Commerce 08-10-2014

12	National Seminar on Emerging Trends in Chemistry	UGC	The Madura College, Madurai 15-10-2014
13	International Conference on “Solution to Ecological Challenges Multidimensional perspective”	UGC	Fatima College Madurai 11-12-2014
14	National Seminar on “Modern Trends in Chemistry”	UGC	Vivekananda College, Thiruvudagam 30-01-2015
15	National Conference on Frontiers Area in Chemistry	UGC	Thiyagarajar College Madurai-09 26-02-2015
16	International Conference on Cancer biology	ICMR, DBT, INSA	Saiva Banu Kshatria College, Aruppukottai-101 29-09-2016
17	National Seminar on New perspectives in Science and Technology		St. Antony’s College of Arts and Science for Woman, Dindigul-5 07-10-16
18	National Seminar on Recent Trends in Chemistry		Fatima College Madurai-18 20-09-17
19	State level workshop on chromatography techniques (CT-2017)		K.L.N. College of Engineering Pottapalayam-12 23-09-2017
20	International Conference on Expanding frontiers in Chemistry		School of Chemical Sciences, Alagappa university, Karaikudi 25,26 June 2019
21	International Conferences on Recent Advances in Applied Sciences (ICRAACS-2019)		SreeSevugan Annamalai College Devakottai-03 06-09-2019
22	International Conference on Expanding frontiers in Chemistry	UGC	Arul Anandar College, karumathur Madurai 13-09-2019
23	International webinar on Mysterious of super conductor		Jairam Arts and Science College 18-07-2020
24	Live Webinar on, 3D nanomaterials for future energy technology		E.M. G. Yadava College, Madurai 17-07-2020
25	Webinar titled on Sustainable synthesis of Metal and Metal oxides nanoparticles and their environmental remediation		21-07-2020
26	National Webinar on How to stay safe during corona time		PG & Research Dept, Nehru Memorial College Trichy, 22- 7-2020
27	National Webinar Photochemistry and its application towards the development of Solar cell		Nehru Memorial College, Trichy 24-07-2020

28	National Webinar on Liquid crystals, life science and Technology		ANJA College,Sivakasi 25-07-2020
29	National Webinar on Nano Vs Corona		Shanmuga Industries Arts & Science College,Tiruvannamalai 27-07-2020
30	International Webinar on Text mining to Explore Pub Med Database		Dept. of Science and Humanities,Nehru Institute of Engineering & Technology 26-09-2020
31	National Webinar on NAAC Re-accreditation Process During Post Covid Scenario	IQAC	Yadava College, Madurai. 10.11.2020
32	Special Address on International Day for the Elimination of Violence Against Women	IQAC	Yadava College, Madurai. 27.11.2020
33	Special Lecture On COPY RIGHT AND PATENT LAWS An Overview - National Webinar	IQAC	Yadava College, Madurai. 03.12.2020
34	National Webinar On REVISED NAAC ACCREDITATION SYSTEM	IQAC	M.S. KAKADE COLLEGE, Maharastra. 06.12.2020
35	One Day National Webinar on NAAC Accreditation Process and Documentation Conducted	UGC – College with potential for Excellence	K.J. Somaiya College of Arts and Commerce, Mumbai. 18.12.2020

LIST OF PAPER PRESENTED

S. No	Date	Title of the paper presented	National / International	Sponsoring agency	Name of the University / College
1.	18 th Feb – 2011	Corrosion resistance of 18 karat gold in artificial saliva in presence of Digene	National seminar	UGC	Fatima College, Madurai – 18.
2.	4 th and 5 th Oct - 2012	Corrosion resistance of SS316L in Artificial Saliva in presence of Digene	National Seminar	UGC	Cardamom Planters, Association College, Bodinayakanur.
3.	6 th Feb- 2013	Corrosion resistance of 24 karat gold in artificial saliva in presence of Almox 250 DT tablet	National Seminar	UGC	Sri Meenakshi Government College for Women, Madurai – 625002.
4.	20 th - 22 nd Feb-2013	Corrosion resistance of 18 karat gold and Stainless steel 316L in Artificial Saliva in presence of ciprowin	International Conference	UGC and CSIR	Periyar University, Salem.
5.	11 th & 12 th Mar - 2013	Corrosion resistance of Nickel – Chromium alloy in Artificial Saliva in Presence of Almox 250 DT	National Seminar	UGC	The Standard Fireworks Rajaratnam College for Women, Sivakasi – 626123.
6.	21 st & 23 rd Mar - 2013	Corrosion resistance of Super Elastic Ni-Ti in Artificial saliva in Presence of Digene	International Conference	UGC	Alagapa University, Karaikudi.

7.	11 th & 13 th Dec - 2014	Ground Water status in Madurai District – A Pilot Study	International Conference	UGC	Fatima College, Madurai -18.
8.	30 th & 31 st Jan – 2015	Corrosion resistance of SS316L alloy in Artificial saliva in presence of Ciprowin 500mg tablet	National Seminar	UGC	Vivekananda College, Thiruvudagam West, Sholavandan post, Madurai.
9.	26 th & 27 th Feb – 2015	Corrosion resistance of SS316L Alloy in Artificial Saliva in Presence of Metronidazole 400mg Tablet	National Conference	UGC	Thiagarajar College, Madurai.
10.	2 nd & 3 rd Apr – 2015	Corrosion resistance of SS316L Alloy in artificial saliva in presence of Azithromycin 500mg tablet	National conference	CSIR	Kalasalingam University Anantha Nagar, Krishnan Koil – 626 126
11.	29 th & 30 th Sep – 2016	Corrosion behavior of Superelastic Ni-Ti alloy in Artificial saliva in presence of Almox 250 mg Tablet	International Conference	ICMR, DBT & INSA	Saiva Bhanu Kshatriya College, Aruppukottai.
12.	07 th Oct - 2016	Corrosion Resistance of super - Elastic Ni – Ti Alloy in Artificial Saliva	National Seminar	UGC	St. Antony's College of Arts and Sciences for Women, Dindigul – 5.
13.	6 th Sep – 2019	Comparative Study of Physio Chemical Properties of Green Grapers and Panner Grapers	International Conference	UGC	Sevugan Annamalai College, Devakottai - 03
14.	13 th Sep – 2019	Comparative Study on the Determination of Total Acidity (Titrable Acidity) of Green Grapers and Panner Grapers using Chemical and Green Indicator	International Conference	UGC	Arul Anandhar College, Anandha Nagar, Karumathur.

EXTENSION ACTIVITIES ORGANIZED

Date	Theme of Programmes	Name of the Villages / School	Beneficiaries
29.01.2015	Self Entrepreneurship Programme Preparation of Household chemicals like phenoyl. Candle, Washing Powder, Cleaning powder to SHG	Samathuva Ilaingar Narpani Mandram, Oomachikulam	Self Help Groups
02.02.2015	Analysis of physico – Chemical Parameters of school storage tankwater in five schools (Achampatti, Alathur, Oomachikulam, Veerapandi, Menendal) Using water Quality Analyser and field water testing kit in the chemistry laboratory - Yadava College.	Govt.Hr.Sec.School, Achampatti.	School Children

	Analysis of physico– Chemical Parameters and Biological parameters of school storage tankwater in ten schools (Achampatti, Alathur, Oomachikulam, Veerapandi, Menendal, Usilampatti, Maranivila) in collaboration with TWAD Board, Madurai.	TWAD Board, Madurai.	School Children
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Training Programme

In Making House Hold Items by the Institute of Gandian Studies and Research at Gandhi Memorial Museum, Madurai From 25.08.2008 to 29.08.2008.

Women's Day Activities

1. Organizing seminar from 2018.
2. Conducting intercollegiate competitions on women's day from 2018.
3. Organizing Awareness Programme
 - I. On Women health (2018)
 - II. On Hemoglobin (2019)
 - III. On Thyroid (2014)
4. Organizing seminar on international day for the elimination of violence against women (2020).
5. Organizing seminar on world soil day (Our Food is Our Medicine) (2020)

Membership in Question setting Boards

1. SFR College (Autonomous) for Women Sivakasi
2. APA College (Autonomous) for Women Palani.
3. The American College (Autonomous) in Madurai
4. Gobi Arts and Science College, Gobichettipalayam

Membership in Valuation boards

1. Madurai Kamaraj University board of additional examiner.
2. SFR College (Autonomous) for Women Sivakasi
3. The American College.

Board of Studies Member

1. 12.09.2011 - Board of studies Member as a Subject expert in E.M.G. Yadava Women's College, Madurai-14
2. 18.12.2013 - Board of studies Member as a Subject expert in E.M.G. Yadava Women's College, Madurai-14

