

CURRICULUM VITAE

Name : Dr. S.JOHNSON RAJA
Designation : Assistant Professor
Department : Chemistry
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Educational Qualifications

DEGREE	SUBJECT	COLLEGE / UNIVERSITY & PLACE	YEAR COMPLETED
B.Sc.,	Chemistry	S.R.N.M.College, Sattur	1999
M.Sc.,	Chemistry	VHNSN College, Virudhunagar	2003
Ph.D.	Chemistry	VHNSN College, Virudhunagar	2007

Specialization in Teaching

- Inorganic Chemistry
- Organic Chemistry
- General Chemistry

Specilasion in Research : Inorganic Chemistry

Research Interests : Co-ordination Chemistry; Bio-Inorganic Chemistry

Other Work Experience

Designation	Institution / Company	Year-From(month/year) To (month/year)
Assistant Professor	The American College, Madurai	June 2019 to till date
Associate Professor	Department of Chemistry, P.S.R. Engineering College, Sivakasi	August 2012 to June 2019
Associate Professor	Raja College of Engineering & Technology, Madurai	August 2010 to August 2012
Lecturer	National Engineering College, K.R.Nagar, Kovilpatti.	June 2007 to June 2010
Lecturer	VHNSN College, Virudhunagar	Feb 2007 to April 2007
Part-time Lecturer	VHNSN College, Virudhunagar	2004-2005

Membership in Professional Bodies:

Life member & Fellow in Indian Chemical Society
Fellow Member American Chemical Society

Awards / Fellowships:

Tamilnadu State Government Research Fellowship

RECOGNIZED SUPERVISOR**S. No. Name of the University**

1. Manonmanium Sundarnar University, Tirunelveli 627 012
2. Bharathiar University, Coimbatore 641 046

CSIR SRTP STUDENT PROJECT COMPLETED: 8 Nos.

Webinar Coordinated : Co-coordinator in the webinar on “Electroanalytical Techniques” conducted by The American College Central Instrumentation Centre on 24.06.2020.

ACTING AS A SUPERVISOR

- Ph.D., Awarded : **2 Candidates**
- Ph.D., pursuing : **1 Candidate**

CO-ORDINATOR : INSPIRE Internship Science Camp

Ref. No. : DST/INSPIRE
Grant Received : 9,75,000/-
Date : 07.10.2013– 11.10.2013
Venue : P.S.R. Engineering College, Sivakasi- 626 140

Co-Coordinator : Young Student Scientist Programme, (YSSP-2022), The American College, Madurai from 29.05.22 to 02.06.22

Book : **Edited** Proceedings of the Second National conference on “Pyro Tech - 2013” organized by Petroleum and Explosives Safety Organization (PESO), Ministry of Explosives, Government of India at Sivakasi, Tamil Nadu on 22.11.2013 & 23.11.2013

Book Chapter : Fire Works Production and Safety, Dr.P.Pitchipoo, Dr.P.Marichamy, **Dr. S.Johnson Raja**, Shanlax Publication, (2019)

Patent Published : “Synthesis of activated biochar from Ficus Religiosa Leaves through pyrolysis thereof” App.No. 202241062731A Dt. 11.11.22

Publications : Annexure – I

Reviewer : Asian Journal of Chemical Sciences.
Applied Organometallic Chemistry

Conferences / Annexure – II
Seminars / :
FDP Symposia

GUEST LECTURE

1. Delivered a special lecture on “Nano Chemistry in metal complexes” Organized by the Department of Chemistry, **S.R.N.M College, Sattur** on 8th October 2014.
2. Delivered a guest lecture on “Nanotechnology in Chemistry” organized by Department of Chemistry, **Sri Kaliswari College, Sivakasi** on 7th January 2015.
3. Delivered a guest lecture on “Nanomaterials and its application” organized by Department of Chemistry, **Noble College of Arts and Science for Women, Palavanatham**, on 28th October 2020.

PERSONAL DETAILS

Name : Dr. S.Johnson Raja
Father’s Name : T.Samuelraj
Date of Birth : 08.05.1979
Sex : Male
Religion : CSI Christian
Language Known : Tamil, English
Marital Status : Married
Practical Experience : UV-Visible (Shimadzu UV-1601 & UV-1800)
Spectrophotometer, Submarine Gel electrophoresis

Annexure I
LIST OF PUBLICATIONS

1. Enhancement of self-cleaning properties of soda-lime glass coated with grapheme, Dhivya Christo Anitha S, Lakshmi V, Mary Jenila R, Angelin Thangakani J and **Johnson Raja S**, *Eur. Chem. Bull.* 2023,12(10), 1968-1977
2. Synthesis, spectral, DFT calculation, antimicrobial, antioxidant, DNA/BSA binding and molecular docking studies of bio-pharmacologically active pyrimidine appended Cu(II) and Zn(II) complexes, Nagaraj Revathi, Murugesan Sankarganesh, Jeyaraj Dhaveethu Raja, **Samuelraj Johnson Raja**, Shunmugasundaram Gurusamy, Radhakrishnan Nandini Asha & Thayalraj Christopher Jeyakumar, *J.Biomol. Stru. and Dyna.* 2023 Apr 6:1-15. 20226;1-15. <https://doi.org/10.1080/07391102.2023.2196696>
3. "Pharmacological and Molecular docking studies of new copper (II) complexes of N²-Phenyl-N⁴,N⁶-di(thiazol-2-yl)-1,3,5-triazine-2,4,6-triamine" M. Vathanaruba, **S. Johnson Raja**, R. Princess, P. Tharmaraj, *J. Mol.Struc.*, Volume 1253, 5 April 2022, 132275
4. "Bio-inspired nickel nanoparticles of pyrimidine-Schiff base: *In vitro* anticancer, BSA and DNA interactions, molecular docking and antioxidant studies" P.Adwin Jose, M.Sankarganesh, J.Dhaveethu Raja, G.S. Senthilkumar, R. Nandini Asha, S.Johnson Raja, C.Dorothy Sheela, *J.Biomol. Stru. and Dyna.*, 1-15. <https://doi.org/10.1080/07391102.2021.1947382>
5. Synthesis, structural elucidation, pharmacological and molecular docking studies of terpolymer transition metal complexes, N.Vijayan, R.Princess, **S.Johnson Raja** and J.Joseph,*J.Mol.Struc.*,1227(2021)129424
<https://doi.org/10.1016/j.molstruc.2020.129424>
6. Synthesis, characterization and pharmacological studies of metal complexes with imidazole derivative, B.Kokila Rani, R.Princess, **S.Johnson Raja**, J.Joseph and A. Suman,,*J.Xidian.Univ.*,**14(8)**,(2020) 939-958 <https://doi.org/10.37896/jxu14.8/099>
7. Metal complexes with terpolymer ligand containing benzimidazole scaffold enhancing antimycobacterial efficiency, N.Vijayan, R.Princess and **S.Johnson Raja**, *BMC Infectious Diseases* , 2020, 20(Suppl 1):324
8. Metal Complexes Of Novel Schiff Base Containing Isatin: Characterization, Antimicrobial, Antioxidant And Catalytic Activity Study, M.Vairalakshmi S.Venkateshwari, R.Ramya, R.Princess and S.Johnson Raja, *Asian J Pharm Clin Res*, **12(8)**,(2019) 206-210
9. Novel Water-Soluble Mixed Ligand Cu (II), Zn (II), Ni (II) and Co (II) Complexes: Efficient Antimicrobial Agent, Radical Scavenger and Catalyst for Hydroxylation of Phenol, M.Vairalakshmi, R.Princess, and **S.Johnson Raja**, *Int. j. sci. basic appl. Res.*,**9 (6)**,(2019) 605-620
10. Synthesis and structural characterization of metal complexes bearing benzimidazole moiety as ligand: DNA Binding and Antioxidant Activity, B.Kokila Rani, **S.Johnson Raja** and A. Suman, *Res. J. Chem. Environ.*, **23 (3)**, (2019), 26-35
11. Synthesis, Structural Elucidation, Catalytic, Antibacterial And Antioxidant Activity of Thiophene Derived Mixed Ligand Metal Complexes, M.Vairalakshmi, R.Princess, B.Kokila Rani and **S.Johnson Raja**, *J. Chil. Chem. Soc.*,**63(1)**,(2018) 3844-3849

12. Synthesis, spectroscopic characterization, analgesic, and antimicrobial activities of Co(II), Ni(II), and Cu(II) complexes of 2-[N,N-bis-(3,5-dimethyl-pyrazolyl-1-methyl)]aminothiazole, M.Kalanithi, M. Rajarajan, P. Tharmaraj, **S. Johnson Raja** **Medicinal Chemistry Research**, April 2015, Volume 24,(4) , pages 1578-1585 (Impact Factor: 1.612)
13. Synthesis, Spectral Characterization, Antimicrobial Screening and DNA Binding, Cleavage Studies of Transition Metal Complexes of Heterocyclic Ligand Derived from 4-Aminoantipyrine and 2-Mercaptobenzimidazole, P.Saravana Bhava, P.Tharmaraj, **S.Johnson Raja**, *International Journal of Innovative Research & Development*, **2**, (2013) 378-396
14. Synthesis and characterization of VO(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes of chromone based azo-linked Schiff base ligand. C.Anitha, C.D.Sheela, P.Tharmaraj and **S.Johnson Raja**, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **98**, (2012) 35-42 (Impact Factor:2.098)
15. Synthesis And Studies On Metal Complexes Of 5-(Furan-2-Yl)-3- (2-Hydroxy Phenyl)1-H Pyrazole-1-Carbothiohydrazide, P.Saravana Bhava,P.Tharmaraj , **S.Johnson Raja**, *International Journal of Scientific Research*, **1**, (2012) 3-6
16. Transition Metal complexes with Schiff base ligands : 4-aminoantipyrine based derivatives-A review. N.Raman, **S. Johnson Raja** and A.Sakthivel, *J. Coord.Chem.*, **62(5)**, (2009) 691-709.
17. Designing, Synthesis, Spectral characterization of Antimicrobial and DNA active tridentate Schiff base ligands and their complexes. N.Raman, **S.Johnson Raja**, J.Joseph,A.Sakthivel and J.DhaveethuRaja, *J. Chil. Chem. Soc.*,**53(2)**,(2008)1393-1395.
18. Designing, Structural Elucidation, Comparison of DNA Cleavage and Antibacterial Activity of Metal(ii) Complexes Containing Tetradentate Schiff base. N.Raman, **S.Johnson Raja**, J.Joseph and A. Sakthivel, , *Russ. J. Coord. Chem.*,**34(10)**,(2008)1-7
19. Spectral characterisation, cyclic voltammetry, morphology, biological activities and DNA cleaving studies of amino acid Schiff base metal(II) complexes. M.A. Neelakantan, F. Rusalraj, J. Dharmaraja, **S. Johnsonraja**, T. Jeyakumar and M. Sankaranarayana Pillai, *Spectrochim. Acta Part A: Mol. Biomol. Spectrosc.*, **71**, (2008) 1599-1609
20. Molecular Designing, Structural Elucidation and Comparison of the Cleavage ability of Oxovanadium(IV) Schiff base Complexes. N.Raman, **S.Johnson Raja**, J.Joseph and J.Dhaveethu Raja, *Russ. J. Coord. Chem.*, **33(1)** (2007) 7.
21. Synthesis and Spectral Characterization of Mixed Ligand complexes derived from 2-chlorobenzaldehyde, 4-aminoantipyrine and 1,10-phenanthroline. N.Raman, and **S.Johnson Raja**, *Asian J. of Spectrosc.*,**11**, (2007) 35-41.
22. Synthesis, Spectral characterisation and DNA Cleavage study of Heterocyclic Schiff base Metal Complexes. N.Raman, **S.Johnson Raja**, J.Joseph and J.Dhaveethu Raja, *J. Chil. Chem. Soc.*,**52, N(2)**, (2007) 1099-1102.
23. DNA Cleavage, Structural Elucidation and Antimicrobial Studies of Three Novel Mixed Ligand Schiff base Complexes of Copper(II). N.Raman, and **S.Johnson Raja**, *J. Serb. Chem. Soc.*, **72(10)**, (2007) 983-992.

24. Mixed ligand transition metal(II) complexes of Knoevenagel condensate- β -ketoester with *o*-phenylenediamine - Synthesis, structural characterization, electrochemical behaviour and antimicrobial study N. Raman, C. Thangaraja and **S. Johnson Raja**, *Indian J. Chem.*, **44(A)** (2005) 693.
25. Synthesis, structural characterization, redox and antibacterial activity of Schiff base transition metal (II) complexes derived from 4-aminoantipyrine and 3-salicylidene acetylacetone. N.Raman, C.Thangaraja and **S.Johnson Raja**, *Cent.Eur.Chem., J.*, **3(3)** (2005) 537.

Annexure II
PAPER PRESENTATIONS, CONFERENCES, AND SEMINARS

1. Participated workshop on “Green Chemistry” organized by PG & Research Department of Chemistry, The American College, Madurai from 23.01.2024 & 24.01.2024.
2. Co-covener in the “ International Conference on Advances in Chemistry (ICAC-2023) organized by PG & Research Department of Chemistry, The American College, Madurai from 04.12.2023 & 05.12.2023.
3. Presented a paper in International Conference on Innovative approaches in Life Sciences-2023 by Department of Food Sciences and Nutrition, The American College, Madurai from 24.03.23 & 25.03.23
4. Participated one day workshop on “Art & Science of methodical Scientific Writing and Publishing in High Impact Journal” by IQAC, The American College, Madurai on 06.03.2023
5. Resource person in workshop on “skill development in Analytical Skills” conducted by PG & Research Department of Chemistry , The American College, Madurai from 02.02.2023 & 03.02.2023.
6. Participated a seminar on “Recent Trends in Chemistry” conducted by PG & Research Department of Chemistry , The American College, Madurai on 03.03.2023
7. Participated one day Faculty Development Program by IQAC, The American College, Madurai on 20.09.2022
8. Participated online International Conference on “Applied Sciences” organized by the Department of Basic Science and Humanities SCMS School of Engineering and Technology on 24.11.22 & 25.11.22.
9. Participated online FDP on “The Nuances of Scientific Writing and Publishing” conducted by AIACHE & Madras Christian College, Chennai on July 11-19, 2022
10. Participated a three day FDP on “stress management” conducted by ICT Academy held at Sree Abiraami Arts and Science College for Women, Gudiyatham on July 04 – 06, 2022
11. Participated and Presented a paper titled “Metal complexes with terpolymer ligand containing benzimidazole scaffold enhancing antimycobacterial efficiency” in the international symposium on HIV & Infectious Diseases- ISSHID 2019 held at Ramachandra Institute of Higher Education , Chennai on October, 12-14, 2019.
12. Participated and Presented a paper titled “Mononuclear hetero ligand mlb complexes derived from novel ono type of polymeric schiff base and 1,10–phenanthroline: synthesis, structural, thermal, morphology and pharmacology studies” in the International Conference on Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine (AMCI-19) held at Manonmanium Sundaranar University, Tirunelveli, on January 30 & 31, 2019
13. Participated and presented a paper titled “Novel water-soluble mixed ligand Cu(II), Zn(II), Ni(II) and Co(II) complexes: Perfect antimicrobial agent, radical scavenger and catalyst for hydroxylation of phenol” in the international conference on Nanomedicine (ICON-2019) held at Madurai Kamaraj University, Madurai, India on February, 25 & 26, 2019.
14. Participated and presented a paper entitled “Synthesis, characterization and biochemical studies of metal complexes derived from Imidazole derivative” in the National Seminar on Emerging Trends in Bioinorganic & Pharmaceutical Chemistry

sponsored by SERB, organised by the Department of Chemistry, VHNSNC, Virudhunagar, February 27 & 28th 2019.

15. Participated and presented a paper titled "Synthesis, characterization, antibacterial and antioxidant activities of novel water-soluble Cu(II), Zn(II), Ni(II) and Co(II) Schiff base complexes" in the national level conference on "Recent Trends in Chemistry" organized by V.P.M.M. Arts and Science College for Women, Krishnankoil held on February, 11 & 12, 2019.
16. Participated and presented a paper titled "Synthesis, spectral elucidation and antimicrobial activities of mixed ligand transition metal complexes containing indole moiety" in the international conference on Modern Trends in chemistry (MTC-25) organized by Vivekananda College, Madurai held on 23rd February 2018.
17. Participated and presented a paper titled "Metal complexes of a novel Schiff base containing isatin: Characterization, antimicrobial, antioxidant and catalytic activity study" in the international conference on Recent Advances in Materials for Energy and Environmental Remediation (RAMEER-2018) organized by V.H.N.S.N. College, Virudhunagar held on June 28 & 29, 2018.
18. Participated and presented a paper entitled "Spectral characterization, antimicrobial and anti-oxidant activity of metal complexes derived from imidazole derivative" in the National Conference on Emerging Trends in Applied Sciences & Technology organized by the Department of Chemistry, Noorul Islam University, February 28th 2018.
19. Participated and presented a paper titled "Preparation, characterization and biological activity of Schiff base metal complexes derived from thiophen-2-carboxaldehyde" in the national level conference on "Recent Advances in Bioinorganic and Medicinal Chemistry (RABAMCHEM-2017)" organized by V.H.N.S.N. College, Virudhunagar held on February, 15, 2017.
20. Participated and presented a paper titled "Preparation and spectral characterization of isatin based transition metal complexes" in the national level conference on "Emerging Trends in Chemical Sciences" organized by Noorul Islam Centre for Higher Education, Kumaracoil on 18th & 19th September 2014.
21. Participated in UGC sponsored National Conference on Modern Trends in Chemical Sciences organized by VHNSN College, Virudhunagar, July 18 & 19, 2014
22. Participated in DRDO sponsored Third National Conference on Advanced Functional Materials and Applications organised by Kalasalingam University, Krishnankoil, March 21 & 22, 2014
23. Participated in Indo-Italian work shop on Molecular Nanophotonics by Anna University, Chennai, July 24-26, 2013
24. Participated in National Level Seminar on Recent Development in Nanomaterial by Mohamed Sathak Engineering College, Kilakarai, April 11, 2013
25. Participated in the National Level Symposium organized by Kamaraj College Engineering and Technology, Virudhunagar, March, 2012
26. Participated in the National Level Symposium on Emerging Concepts and Trends in Bioinorganic Chemistry sponsored by DST, organized by National Engineering College, Kovilpatti, February 24 & 25, 2011
27. Participated in the National Level Seminar on Recent Trends in Bio-inorganic Chemistry sponsored by DST, organized by VHNSN College, Virudhunagar, February 17 & 18, 2011

28. Participated in the National Level Conference on Recent Advances in the Study of Transition Metal Complexes sponsored by University Grants Commission, organized by VHNSN College, Virudhunagar , August 13 & 14, 2008
29. Participated a Two Days Workshop on Micro Teaching, organized by Department of Computer Science Engineering, National Engineering College, Kovilpatti , July 18 & 19, 2008
30. Paper presented with the title, “Synthesis, Characterization and Antibacterial Activity of a novel Cu(II) Mixed Ligand Complex” at DST & UGC sponsored National Seminar on Theoretical and Chemical Sciences, organised by Annamalai University, Annamalai Nagar on 23rd & 24th Feb.2008
31. Paper presented with the title, “Spectroscopy, Thermal, XRD and SEM Characterization of Cu(II) and Ni(II) Schiff Base Complexes Containing Heterocyclic Ring” at UGC Sponsored National Conference on Recent Trends in Chemistry, organised by Bishop Heber College, Trichy on 12th Oct. 2007
32. Participated and presented a paper titled *A Study on Synthesis, Characterization, and Antimicrobial Activity of Heterocyclic Schiff Base Metal Complexes* in the Two Day National Seminar on Frontier Areas in Chemistry, sponsored by UGC, New Delhi, organized by Thiagarajar College, Madurai, March 1 & 2, 2007.
33. Participated and presented a paper on *Synthesis, Characterization and DNA Cleavage Studies of Mixed Ligand Complexes* in the Two Day National Level Seminar on Emerging Trends in Chemistry, Sponsored by UGC, New Delhi, organized by Cardamom Planters’ Association College, Bodinayakanur, July 26 & 27, 2006.
34. Participated and presented a paper on *Synthesis, Characterization and DNA Cleavage Studies of Oxovanadium(IV) Complexes* in Seminar on Recent Advances in Chemistry organized by Annamalai University, Annamalainagar, March 10 & 11, 2006
35. Participated in the Two Day State Level Seminar on Solid Waste Management (SESOM), organized by Department of Chemistry, ANJA College, Sivakasi, February 27 & 28, 2006
36. Participated and presented a paper titled *A Study on Synthesis, Characterization and Antimicrobial Effect of Schiff Base Complexes* derived from 4-aminoantipyrine and 3-salicylideneacetylacetone Two day National Seminar on Cheminformatics and Drug Design, sponsored by UGC, organized by the Department of Chemistry and Department of Computer Applications, Fatima College, Madurai, September 29 & 30 , 2005.
37. Participated in the Two Day Seminar cum Workshop on Molecular Trends in Microbiology, organized by Department of Microbiology, VHNSN College, Virudhunagar, September 03 & 04, 2005.
38. Participated in the One Day Seminar on Renewable Energy-Energy of the Future sponsored by Tamilnadu Energy Development Agency, Chennai, organized by VHNSN College, Virudhunagar , August 25, 2005
39. Participated and presented a paper titled *A Study on Synthesis, Characterization and Antimicrobial Effect of Schiff Base Complexes Derived from 4-aminoantipyrine and 3-salicylideneacetylacetone*, at the Two day National Level Conference on Recent Trends in Chemistry of Biologically Interesting Compounds, sponsored by UGC,

- organized by the Department of Chemistry, VHNSN College, Virudhunagar, Retchembic, July 22 & 23, 2005.
40. Participated in the Two Day Workshop on Frontiers in Chemistry: A Lecture Program, Sponsored by the Indian Academy of Sciences, Bangalore, organized by the Centre for Photoelectrochemistry, School of Chemistry, Madurai Kamaraj University, Madurai, March 09 & 11, 2005.
 41. Participated and presented a paper titled *A Study on Mixed Ligand Transition Metal(II) Complexes Derived from Knoevenagel β -ketoester with o-phenylenediamine* at the Two day National Seminar on Novel Trends in Synthesis, Structure, Reaction Dynamics and biological studies of Coordination Compounds, sponsored by UGC, CSIR and TNSCST, organized by the Department of Chemistry, Gandhigram Rural Institute-Deemed University, Gandhigram, OP-35, March 3 & 4, 2005.
 42. Participated and presented a paper titled *A Simple ERR Study of a Cu(II) Complex from a Fully Conjugated tetraaza(14) Membered Schiff Base*, at the Two Day Symposium on Electron Magnetic Resonance Spectroscopy, organized by the Department of Chemistry, Pondicherry University, Pondicherry, OP-1, February 4 & 5, 2005.

Webinar Attended

1. International Science Symposium on HIV & INFECTIOUS DISEASES, on Shri Ramachandra Institute of Higher Education and research, Chennai from 12.10.2019 to 14.10.19
2. Basic Principles of Spectroscopy organised by AVS College of Arts and Science, Salem on 17.04.2020 to 19.04.2020
3. "Elemental Arts: Evolution of Modern Periodic Table" organised by Sri Krishna College of Engineering and Technology, Coimbatore. on May 1st & 2nd, 2020
4. One Day Online National Conference on 'Applications of Quantum Chemistry' jointly organized by IQAC and Department of Chemistry, Shri Pantham Khemraj Mahavidyalaya, Sawantwadi on 03rd May 2020.
5. Moodle Learning Management System training organized by Annamalai University 18.01. 2020
6. National Level webinar on "Principle and Application of Electronic Spectroscopy" organized by the Department of Chemistry Annai College of Arts and Science on 7.05.2020
7. Edspire webinar series 2019-2020 "Google Meet : 101" organised by VET institute of Arts & Science College, Erode on 08.05.2020
8. Online Faculty Development Programme organised by Department of Chemistry, D.K.M. College for Women, Vellore, Tamil Nadu in association with Spoken Tutorial Project, IIT Bombay, MHRD, Govt. of India from 04.05.2020 to 10.05.2020.
9. National Level "American College Chemistry Webinar Series-I" organized by the Department of Chemistry, The American College, Madurai on 15th & 16th May, 2020.
10. National Level "American College Chemistry Webinar Series-II" organized by the Department of Chemistry on 22nd May, 2020
11. "International Webinar on Chemistry" organized by the Department of Chemistry, The American College, Madurai on 29th May, 2020.

12. National Level American College Chemistry “Webinar Series-III” organized by the Department of Chemistry, The American College, Madurai on 5th June, 2020.
13. National level webinar on "Metal-Ligand Multiple bonded Compounds" Organised by Department of Chemistry ANJAC College, Sivakasi on 25th June, 2020
14. Webinar on ““Key Notes to Write a Research proposal and funding opportunities in India – An Overview ”Organized by Department of Chemistry, St. Mother Theresa Engineering College, Thoothukudi, Tamilnadu on 26-06-2020
15. Webinar on “H-NMR Spectroscopy” organized by department of Chemistry (P.G), Keshav Memorial Institute of commerce and sciences on 27-06-2020.
16. Webinar on “Spectroscopic Techniques - I ”organized by American College Central Instrumentation Centre, The American College, Madurai on 7th July, 2020.
17. Webinar on “Analytical Techniques”organized by American College Central Instrumentation Centre, The American College, Madurai on 9th July, 2020.