

PROFORMA FOR BIODATA

1. Name : **Dr.D.SARAVANAN**
2. Designation : **ASSOCIATE PROFESSOR**
3. Department : **CHEMISTRY**
4. Correspondence Address :
5. Email and Contact number : dsaravananchem@nct.ac.in, drdsaro@gmail.com and **8122296999**
6. Date of Birth : **09.04.1968**
7. Gender : **MALE**
8. Category (Gen/SC/ST/SCA/DNC/MBC/BCM/BC) : **MBC**
9. Whether differently abled : **NO**
10. Academic Qualification

	Degree	Year	Subject	University/Institution	% of Marks
1.	Ph.D	2000	CHEMISTRY	Bharathidasan University Tiruchirappalli -24	Highly Commended
2.	M.SC	1992	CHEMISTRY	Bishop Heber College, Tiruchirappalli	First class (60.9%)
3.	B.SC	1990	CHEMISTRY	Bishop Heber College, Tiruchirappalli	First class (69.7%)

11. Ph.D thesis title : Effect of pH, temperature, sorbate concentration and that of dose on rates of sorption

Guide's Name : **Dr.N.Balasubramanian**

Institution/ University : **Bharathidasan University, Tiruchirappalli**

Year of Award : **2000**

12. Work Experience **Teaching Experience (11 Years)**

- P.G.** M.Sc. Life Science 03 Years
Bharathidasan University
1993 - 1996
- U.G.** B.E. / B.Tech Engineering Chemistry 08 Years
From 09.09.1998 to till date

Research Experience (07 Years)

01. Project Assistant Bharathidasan University 1993 – 1996 03 years (UGC Fellowship)
02. Research Scholar, Bishop Heber College 1996 – 2000 04 years

14. Publications

Publication List 2017-2021

1. Pyrene based Schiff Bases: Synthesis, Crystal Structure, Antibacterial and BSA binding studies, V. Srinivasana, T. Khamrang, C. Ponraj, D. Saravanan, R. Yamini, S. Bera, M. A.
Jhonsi *Journal of Molecular Structure*, **2021**, 1225, 129153.
Impact Factor: 2.463 **Citation: NA**
2. Gamma degraded chitosan-Fe(III) beads for defluoridation of water, S. Tandekar, D. Saravanan, S. Korde, R. Jugade, *Materials Today: Proceedings*, **2020**, 29, 726-732.
Impact Factor: 0.576 **Citation: NA**
3. Zirconia-chitosan beads as highly efficient adsorbent for defluoridation of water S. Tandekar, D. Saravanan, R. Jugade, *Indian Journal of Chemistry: Section A*, **2020**, 59A, 1067- 1075.
Impact Factor: 0.489 **Citation: NA**
4. Efficiency evaluation of the photocatalytic degradation of telmisartan anti-hypertensive drug with Fenton, photo-Fenton and recyclable TiO₂ heterogeneous catalyst, A. Raji, K. N.
Pandiyaraj, V. Kandavelu, D. Vasu, D. Saravanan, *Reaction Kinetics, Mechanisms and Catalysis*, **2020**, 130, 1141-1154.
Impact Factor: 1.520 **Citation: NA**
5. Non-thermal atmospheric pressure plasma jet-assisted degradation of azo dye–acid orange 7 (AO7): influence of operating parameters and toxicity evaluation, V. Kandavelu K. N. Pandiyaraj, D. Vasu, P. V. A. Padmanaban, R. R. Deshmukh, V. Kandavelu, D. Saravanan, P. S. E. Tabaei, P. Cools, N. D. Geyter, R. Morent, *Desalination and Water Treatment*, **2020**, 185, 344-354.
6. Iron(III) bis-complexes of Schiff bases of S-methyldithiocarbazates: Synthesis, structure, spectral and redox properties and cytotoxicity, W. P. Sohtun, T. Khamrang, A. Kannan, G. Balakrishnan, D. Saravanan, M. A. Akhbarsha, M. Velusamy, M. Palaniandavar, *Applied Organometallic Chemistry*, **2020**, 34, e5593.
Impact Factor: 3.14 **Citation: 2**

7. Synthesis and Crystal Structure of [*cis*-Dichloro (2-Pyridin-2-yl-1H-Benzoimidazole) (1H-Imidazole) Copper (II)] Complex, D. Saravanan, M. Velusamy, *Frontiers in Advanced Materials Research*, **2019**, *1*, 39-41.

Impact Factor: NA

Citation: NA

8. Exploring the Charge Density Distribution and Electrostatic properties of (1-methyl-1H-tetrazol-5-ylsulfanyl)-acetic acid benzylidene-hydrazide, D. Saravanan, A. Kannan, C. Ponraj, V. Kandavelu, *Research Journal of Chemistry and Environment*, **2019**, *23*, 39-50.

9. Synthesis and characterization of novel series of 4-(chloromethyl)-2-(2-(3,5-dialkyl-2,6-diphenylpiperidin-4-ylidene)hydrazinyl)thiazole and 4-(chloromethyl)-2-(2-(3-alkyl-2,6-diphenylpiperidin-4-ylidene)hydrazinyl)thiazole derivatives and their biological activities, D. Saravanan, V. Sivasankaran, *Research Journal of Chemistry and Environment*, **2018**, *22*, 12-22.

10. Synthesis, Characterization, Crystal Structure and Molecular Docking Studies of a S-methyldithiocarbamate Derivative: Bis [2-hydroxybenzylidenehydrazono)(methylthio) methyl] disulfide, W. P Sohtun, A. Kannan, K. H. Krishna, D. Saravanan, M. Suresh Kumar, M. Velusamy, *Acta Chimica Slovenica*, **2018**, *65*, 621-629.

Impact Factor: 1.263

Citation: 4

11. N,N-Dimethyl-2-[(1-*E*)-2-((methylsulfanyl)methanethioyl)amino]imino)methyl]aniline, W. P Sohtun, A. Kannan, D. Saravanan, M. Velusamy, *IUCrData*, **2018**, *3*, x180461.

Impact Factor: NA

Citation: NA

12. Removal of Cd(II) and Hg(II) from effluents by ionic solid impregnated chitosan, A. Shekhawat, S. Kahu, D. Saravanan, R. Jugade, *International Journal of Biological Macromolecules*, **2017**, *104*, 1556-1568.

Impact Factor: 5.162

Citation: 17

13. Synthesis, characterization, crystal structure, in-vitro anti-inflammatory and molecular docking studies of 5-mercapto-1-substituted tetrazole incorporated quinoline, K. Sureshkumar, V. Maheshwaran, T. Dharma Rao, K. Themmila, M. N. Ponnuswamy, S. Kadhivel, D. Saravanan, *Journal of Molecular Structure*, **2017**, *1146*, 314-323.

Impact Factor: 2.463

Citation: 5

14. Tin(IV) cross-linked chitosan for the removal of As(III), A. Shekhawat, S. Kahu, D. Saravanan, R. Jugade, *Carbohydrate polymers*, **2017**, *172*, 205-212.

Impact Factor: 7.182

Citation: 7

15. Synthesis of Mercapto Heterocyclic Derivatives of 1-(4-((4-Chlorophenyl)(phenyl)methyl)piperazin-1-yl)-2-thio-propan-1-one and its Biological Activities, V, Sivasankaran, D. Saravanan, M. Chandrasekaran, G. AdaikalaRaj, *J. Environ. Nanotechnol.* **2017**, *6*, 50-59.
16. Synthesis and characterization of 2-[2-(3,5-dialkyl-2,6-diphenylpiperidin-4-ylidene)hydrazinyl]-4-phenylthiazole and 2-[2-(3-alkyl-2,6-diphenylpiperidin-4-ylidene)hydrazinyl]-4-phenylthiazole compounds and their biological activities, V. Sivasankaran, D. Saravanan, M. Chandrasekaran, G. Adaikala Raj, *Research Journal of Chemistry and Environment*, **2017**, *21*, 5-12.
17. Stannic chloride impregnated chitosan for defluoridation of water, S. Kahu, A. Shekhawat, D. Saravanan, R. Jugade, *International Journal of Biological Macromolecules*, **2017**, *104*, 1528-1538.
- Impact Factor: 5.162 Citation: 8**
18. Synthesis and antimicrobial evaluation of novel sulphur bridged 2-oxo-1,2,3,4-tetrahydropyrimidine derivatives, *Research Journal of Chemistry and Environment*, **2017**, *21*, 21-30

h-index : 19
 i10 index : 34
 Total citations: 1064

15. Details of patents

16. Books/ Reports/Chapters/General articles etc : **NIL**

S. No	Title	Author's Name	Publisher	Year of Publication

17. Research guidance : **10**
 Ph.D. : Awarded : 6
 Submitted :
 On going : 4
 M.Phil. : Awarded : 12
 M.Sc. Dissertation : Awarded :

18. List of Completed/Ongoing/Submitted projects : **NIL**

S.No	Title of the	Duration	Total Cost	Name of	Status

	Project	From	To	(Rs.)	Funding Agency	

(a) Major Results/ Highlights of the project including achievement(publications, patents etc.), for *completed projects*

(b) Up-to date Technical progress report for *on-going projects*.

19. Membership : **ACT India**

(a) Professional bodies

(b) Editorial board 1

(c) Advisory board

(d) Academic bodies 1

20. Countries visited : **Srilanka, Malasiya, Dubai, Netherlands, Thailand, Belgium, Bali**

21. Any other Information : **NIL**

DECLARATION:-

I certify that the foregoing information is correct and complete to the best of my knowledge and belief.

Place: NCT, TRICHY

Date: 01/08/2024



Signature