

PROFILE

PERSONAL INFORMATION

Name : **Dr. S. CHRISTOPHER JEYASEELAN**
Designation : **Assistant Professor**
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Date of Birth : **01-09-1991**
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ACADEMIC QUALIFICATION

S.No	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING	% OF MARKS
1	Ph.D (Physics)	N.M.S.S.V.N College	Madurai Kamaraj University	2021	-
2	SET (Physics)	-	Mother Teresa University	2016	-
3	M.Sc (Physics)	School of Physics	Bharathidasan University	2016	80
4	B.Sc (Physics)	St. Johns College, Palayamkottai	M. S. University	2014	89
5	Higher Secondary	Rosemary Matric Hr. Sec. School, Palayamkottai	State Board	2007	91
6	SSLC	Rosemary Matric Hr. Sec. School, Palayamkottai.	State Board	2009	89

Ph.D Thesis Title, Institute/Organization/University And Year Of Award:

S.No	Ph.D Thesis Title	Institute/ Organization	University	Year Of Award
1	Spectroscopic, Quantum Chemical, Molecular Docking and <i>In Vitro</i> Anticancer Activity Studies on Bio- Active Indole Derivatives	N.M.S.S.V.N College	Madurai Kamaraj University	2021

TEACHING EXPERIENCE

S.No	Position Held	Name of the Institution	Designation	From	To
1	Assistant Professor	N.M.S.S.V.N College	Assistant Professor	Nov-2020	June-2022
2	Assistant Professor	Mannar Thirumalai Naicker College	Assistant Professor	July-2022	Till date

Publications

1. Conformational, vibrational spectroscopic and quantum chemical studies on 5-methoxyindole-3-carboxaldehyde: A DFT approach, **S. Christopher Jeyaseelan**, Shamima Hussain, R. Premkumar, T. N. Rekha, and A. Milton Franklin Benial, AIP Conf. Proc. 1942 (2018) 040018
2. Vibrational spectroscopic, quantum chemical and molecular docking studies on diethyl 2, 4-dimethylpyrrole-3, 5-dicarboxylate, R. Premkumar, Shamima Hussain, **S. Christopher Jeyaseelan**, T. Mathavan, A. Milton Franklin Benial, M. A. Palafox, V. K. Rastogi, Asian Journal of physics, 27 (5) 287-310 (2018)
3. Spectroscopic, quantum chemical, molecular docking and in vitro anticancer activity studies on 5-Methoxyindole-3-carboxaldehyde, **S. Christopher Jeyaseelan**, R. Premkumar, K. Kaviyarasu, A. Milton Franklin Benial, J Mol Struct. 1197 (2019) 134-146.
4. Quantum chemical and molecular docking studies on biomolecule 5-Aminouracil, R. Premkumar, **S. Christopher Jeyaseelan**, W. Kiefer, M. A. Palafox, A. Milton Franklin Benial, V. K. Rastogi, Asian Journal of Physics, 28 (3) 159-175 (2019)
5. Vibrational spectroscopic, molecular docking and in-vitro cytotoxicity studies against lung cancer cell line on 5-cyano-indole-3-carboxaldehyde, **S. Christopher Jeyaseelan**, R Premkumar, K Kaviyarasu, A. Milton Franklin Benial, Asian Journal of Physics. 28 (2019) 71-93.
6. Vibrational, Spectroscopic, Chemical reactivity, Molecular docking and in vitro anticancer activity studies against A549 lung cancer cell lines of 5-Bromo-indole-3-carboxaldehyde, **S. Christopher Jeyaseelan**, A. Milton Franklin Benial, K. Kaviyarasu, J Mol Recognit. (2020) 1-20.
7. Spectroscopic characterization, DFT studies, molecular docking and cytotoxic evaluation of 4-nitro-indole-3-carboxaldehyde: A potent lung cancer agent, **S. Christopher Jeyaseelan**, A. Milton Franklin Benial, J Mol Recognit. (2020) e2872.
8. Quantum Chemical, Spectroscopic investigations, Molecular docking and Cytotoxic evaluation of 1-Methyl-indole-3-carboxaldehyde, **S. Christopher Jeyaseelan**, A. Milton Franklin Benial, Chemical Data Collections 33 (2021) 100698

9. Synthesis, spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis), reactive (ELF, LOL, Fukui), drug likeness and molecular docking insights on novel 4-[3-(3-methoxy-phenyl)-3-oxo-propenyl]-benzonitrile by experimental and computational methods, Shivaraj B. Radder, Raveendra Melavanki, Sudhir M. Hiremath, Raviraj. Kusanur, Seema S. Khemalpure, **S. Christopher Jeyaseelan**, Heliyon 7 (2021) e08429
10. Electrical and Electrochemical Characteristics of Withania somnifera Leaf Extract Incorporation Sodium Alginate Polymer Film for Energy Storage Applications, K. Chinnaiah, T. Theivashanthi, Karthik Kannan, M. S. Revathy, Vivek Maik, Hemalatha Parangusan, **S. Christopher Jeyaseelan**, K. Gurushankar, Journal of Inorganic and Organometallic Polymers and Materials, 32 (2022) 583-595.
11. Anionic acid functionalized mesoporous γ - Al_2O_3 nanorods: Preparation, physicochemical and biological characterizations, P.Arunarajeswari, T.Mathavan, **S. Christopher Jeyaseelan**, A.Divya, A. Milton Franklin Benial, Chemical Data Collections, 37 (2022) 100819.
12. Structural, vibrational, fluorescence spectral features, Hirshfeld surface analysis, docking and drug likeness studies on 4-(2-bromo-4-methyl-phenoxy-methyl)-6-methyl-coumarin derivative: Experimental and theoretical studies, Sudhir M.Hiremath, Mahantesha M.Basanagouda, Seema S.Khemalpure, AshwiniRayar, Anurag M.Rakkasagi, Varsha V.Koppal, R.T.Mahesh, **S. Christopher Jeyaseelan**, J. Photochem. Photobiol. A, 431 (2022) 114055.

Conferences and Seminars

1. Participated in ‘National workshop on optical characterization of materials’ held at Gandhigram Rural Institute - Deemed University, Dindugal, Tamil Nadu, October 24, 2016.
2. Presented a paper on “Conformational, Vibrational Spectroscopic and Quantum Chemical Studies on 5-formyl-1h-pyrrole-2-carboxylic acid: A DFT approach”, S. Christopher Jeyaseelan, R. Mohamed Asath, R. Premkumar, A. Milton Franklin Benial, at National Conference on Current Advancement in Physics, St. Johns College Palayamkottai, February 3-4, 2017.
3. Participated in training program on ‘The state of art analytical equipments’ held at Anna University, Chennai, Tamil Nadu, February 9 and 10, 2017.
4. Participated in workshop “Quantum mechanics as a tool for materials investigation” held at Madras University, Chennai, Tamil Nadu, March 17 and 18, 2017.
5. Presented a paper on “Conformational, Vibrational Spectroscopic and Quantum Chemical Studies on 5-Methoxyindole-3-carboxaldehyde: A DFT approach ”, S. Christopher Jeyaseelan, Shamima Hussain, R. Premkumar, A. Milton Franklin Benial, at 62th DAE-Solid State Physics Symposium, Bhabha Atomic Research Centre, Mumbai, December 26-30, 2017.
6. Presented a paper on “Vibrational, Molecular Docking and Quantum Chemical Studies on 5-Methyl-1H-indole-3-carboxaldehyde ” S. Christopher Jeyaseelan, Shamima Hussain, R. Premkumar, A. Milton

Franklin Benial, at 4th National seminar on technologically Important Crystalline and Amorphous Solids, Kalasalingam University, Tamilnadu, March 2 and 3, 2018.

7. Presented a paper in 8th International Conference on Perspectives in Vibrational Spectroscopy, (ICOPVS-2020) held at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangaluru, on 24-29, February 2020

HONORS AND AWARDS

1. Best Poster Award in 7th International Conference on Perspectives of Vibrational Spectroscopy (ICOPVS-2018) on 29-11-2018 at Bhabha Atomic Research Centre, DAE-Convention centre, Anushakthinagar, Mumbai-400094.