

Name	Dr. Aswathy V V
Designation	Assistant Professor in Physics
Qualification	PhD, MPhil
Email id	vv.aswathyv@gmail.com
Area of Interest	SPECTROSCOPY, MOLECULAR MODELLING
PhD Topic	Spectroscopic Investigations and DFT Computations of Some Organic Compounds
Presentations	<ol style="list-style-type: none"> 1. I."EXPERIMENTAL AND THEORETICAL INVESTIGATIONS OF BENZOXAZOLE DERIVATIVE BY BROMINE." Fourth International conference on Polymer Processing and Characterization International Units on Macromolecular Science and Engineering (IUMSE) , Mahatma Gandhi University, Kottayam, Kerala. 10-12-2016 2. "SPECTROSCOPIC, DFT AND MOLECULAR DYNAMICS INVESTIGATION OF THIOUREA" National Conference on Research in Present Scenario Nesamony Research Forum, Nesamony Memorial Christian College, Marthandam, Tamilnadu. 27-01-2017 3. "SPECTROSCOPIC, DFT AND MOLECULAR DYNAMICS INVESTIGATION OF 1-(3,4-DICHLOROPHENYL)-3-[3-(TRIFLUOROMETHYL)PHENYL]THIOUREA" 29th Kerala Science Congress Kerala State Council for Science, Technology & Environment(KSCSTE), Marthoma College , Thiruvalla, Kerala. 29-01-2017. 4. "VIBRATIONAL SPECTRAL ANALYSIS, MOLECULAR DYNAMICS AND MOLECULAR DOCKING STUDIES OF 2-(3-METHOXY-4-HYDROXYPHENYL) BENZOTHIAZOLE" Kerala International Conference on Tropical Plants & Molecular Design Post Graduate & Research Department of Chemistry, T.K.M. College of Arts & Science, Kollam, TKM College of Arts & Science 14-02-2017 5. "SPECTROSCOPIC, DFT AND MOLECULAR DYNAMICS INVESTIGATION OF 1-(3-CHLORO-4-FLUOROPHENYL)-3-[3-(TRIFLUOROMETHYL)PHENYL] THIOUREA" National Symposium on The innovative Trends in Chemical Education and Research: Hurdles and Successive Progress (ITCER-2017), SN College Kollam, Kerala. Society for Material Chemistry, C/o Chemistry Division, BARC, Mumbai & KSCSTE 23-03-2017. 6. "DFT AND MOLECULAR DYNAMICS INVESTIGATION OF 3-(ADAMANTAN-1-YL)-4-PHENYL-1-[4-PHENYLPYPERAZIN-1-YL]METHYL]-1H-1,2,4-TRIAZOLE-5(4H)-THIONE" 27th Swadeshi Science Congress Swadeshi Science Movement, Amrita Viswa Vidyapeetham, Amrita University, Kollam Kerala and Amrita Viswa

	Vidyapeetham, Amrita University 8-II-2017
Publication in Journals	<ol style="list-style-type: none"> 1. "Investigation of Spectroscopic, Reactive, Transport and Docking Properties of I-(3,4- Dichlorophenyl)-3-[3-(Trifluoromethyl) Phenyl] Thiourea: Combined Experimental and Computational Study" <i>Journal of Molecular Structure</i>, ELSEVIER SCIENCE DIRECT https://doi.org/10.1016/j.molstruc.2017.01.016 2. "Modification of Benzoxazole Derivative by Bromine- Spectroscopic, Antibacterial and Reactivity Study Using Experimental and Theoretical Procedures" <i>Journal of Molecular Structure</i>, ELSEVIER SCIENCE DIRECT https://doi.org/10.1016/j.molstruc.2017.04.010 3. "Synthesis, XRD Single Crystal Structure Analysis, Vibrational Spectral Analysis, Molecular Dynamics and Molecular Docking Studies of 2-(3-Methoxy-4-Hydroxyphenyl) Benzothiazole" <i>Journal of Molecular Structure</i>, ELSEVIER SCIENCE DIRECT https://doi.org/10.1016/j.molstruc.2017.07.065 4. "Spectroscopic, Single Crystal XRD Structure, DFT and Molecular Dynamics Investigation of I- (3-Chloro-4-Fluorophenyl)-3-[3- (Trifluoromethyl) Phenyl]Thiourea" <i>Royal Society of Chemistry Advances Royal Society of Chemistry (United Kingdom)</i> https://doi.org/10.1039/c6ra21396k.
Total UG Teaching Experience	8 years 2 months
Details of Teaching Experience	<ol style="list-style-type: none"> 1. Assistant Professor Dept. of Physics Saraswathi College of Arts & Science, Vilappil, Thiruvananthapuram, Kerala From 07/2018 to - present 2. Assistant Professor H&S Department UKF COLLEGE OF ENGINEERING AND TECHNOLOGY-PARIPPALLY, KOLLAM, 11/2011 to 12/2015 3. Assistant Professor H&S Department IMMANUEL ARASAR J.J. COLLEGE OF ENGINEERING –Tamil Nadu, India 10/2009 to 07/2011 4. Post Graduate Teacher KTCT ENGLISH MEDIUM HIGHER SECONDARY SCHOOL –Kaduvappally, Thiruvananthapuram, Kerala, 06/2005 to 03/2007& 06/2008 to 08/2009
Papers/subjects/courses taught/teaching	Engineering Physics, Complementary physics for B.Sc Geology
Other Academic related experience	Revision Coordinator UKFCET, Kollam 2014-2015