ST GREGORIOS COLLEGE, KOTTARAKARA

FACULTY PROFILE

NAME	Dr.ASWATHY AROMAL. S		
DEPARTMENT	PHYSICS		
DESIGNATION	ASSISTANT PROFESSOR		
ADDRESS	THEJUS , MANNADY P.O ,PATHANAMTHITTA DISTRICT PIN:691530		
TELEPHONE NUMBER(S)	8547583746		
EMAIL ID(S)	aswathythejus@gmail.com		
ACADEMIC QUALIFICATIONS (with name of degree awarding University)	1) BSc (Physics) from University of Kerala in 2005 with first class(Institution:- St. Stephen's College, Pathanapuram) 2) MSc (Physics) from University of Kerala in 2007 with first class(Institution:- St. Stephen's College, Pathanapuram) 3) BEd (Physical Science) from University of Kerala in 2008 with first class (Institution:- H H Marthoma Mathews II Training College, Adoor) 4) MPhil (Nanoscience& Nanotechnology) from University of Kerala in 2010 with grade A (Institution:- Kariavattom Campus, Thiruvananthapuram) 5) Ph.D. Degree in the Faculty of Science (Subject - Physics) from University of Kerala in 2014. Degree awarded in 12/02/2014. Title of thesis "Synthesis and Characterization of Gold Nanoparticles" Guide:- Dr, Daizy Philip, Mar Ivanios College Thiruvananthapuram.		
TEACHING EXPERIENCE	5 years, 10 months		
SPECIALIZATION	NANOSCIENCE		
PUBLICATIONS/ PARTICIPATION IN SEMINARS/ CONFERENCES ETC (Please attach a separate detailed list with titles of papers, names of conferences, etc)		INTERNATIONAL	NATIONAL
	NO. OF RESEARCH PAPERS IN JOURNALS	• Green synthesis of well-dispersed gold nanoparticles using *Macrotyloma uniflorum* Spectrochim. Acta A 85 (2012) 99-104 **S. AswathyAromal**, V.K. Vidhu, Daizy Philip • *Benincasa hispida* seed mediated green synthesis of gold nanoparticles and its optical nonlinearity Physica E 44(2012)1329-1334	NIL

		S.AswathyAromal, Daizy Philip • Facile one-pot synthesis of gold nanoparticles using tannic acid and its application in catalysis Physica E 44 (2012) 1692-1696 **S. AswathyAromal**, Daizy Philip • Green synthesis of gold nanoparticles using *Trigonella foenum-graecum* and its size-dependent catalytic activity Spectrochim. Acta A 97 (2012) 1-5 **S. AswathyAromal**, Daizy Philip • Characterization and catalytic activity of gold nanoparticles synthesized using ayurvedic arishtams Spectrochim. Acta A 96(2012) 1025-1030 **S. AswathyAromal**, K.V. Dinesh Babu, Daizy Philip • *Murraya Koenigii* leaf-assisted rapid green synthesis of silver and gold nanoparticles pectrochim. Acta A 78 (2011) 899-904 Daizy Philip, C.Unni, **S. AswathyAromal**, V.K. Vidhu • Green synthesis of silver nanoparticles using *Macrotyloma uniflorum* Spectrochim. Acta A 83 (2011) 392-397 V.K.Vidhu, **S. AswathyAromal**, Daizy Philip • Synthesis of monodispersed Palladium nanoparticles using tannic acid and its optical nonlinearity Spectrochim. Acta A 103 (2013) 130-133. M. MeenaKumari,**S.AswathyAromal**, Daizy Philip	
	NO. OF PUBLICATIONS IN CONFERENCE PROCEEDINGS	• Green synthesis of gold nanoparticles using Horse gram National seminar on current trends in materials science (CTMS-11) organized by the Department of Physics, Christian College, Chengannur, Kerala, during August 4-6, 2011 S. AswathyAromal and Daizy Philip • Green synthesis of gold nanoparticles using *Trigonella foenum-graecum* and its application in catalysis International conference on materials science and technology (ICMST 2012) organized by the Department of Physics, St. Thomas College, Pala, Kerala, India, during June 10-14, 2012 S. AswathyAromal and Daizy Philip	NIL

	NO. OF CONFERENCES PARTICIPATED IN	2	
PROJECTS	10 (B.Sc & M.Sc Students)		
DETAILS OF RESEARCH SUPERVISION	NO OF STUDENTS AWARDEDPHD NO. OF STUDENTS WITH SUBMITTED DISSERTATIONS NO. OF CURRENT STUDENTS: NIL		
HONOURS AND AWARDS	NIL		
POSTS HELD	NIL		
ANY OTHER INFORMATION	NIL		
PHOTO (Please copy and paste the photograph you would like to have as your profile image)