


## NIRMALA COLLEGE, MUVATTUPUZHA, KERALA

### Faculty Academic Profile

	<p>Name : <b>Dr. Anns Maria Thomas</b> Designation and Department : Asst. Professor, Chemistry Date of Joining: 28/12/2015 Contact info : Padayattil (H) Champanoor Angamaly South P.O</p> <p>Phone : 9544816301 Email : <a href="mailto:amt@nirmalacollege.ac.in">amt@nirmalacollege.ac.in</a> <a href="mailto:annspunnathanam@gmail.com">annspunnathanam@gmail.com</a></p> <p>Teaching Experience in years: 4</p>
	<p><b>Academic Credentials</b></p> <ul style="list-style-type: none"><li>• <b>Ph.D in Chemistry, 2019</b> From School of Chemical Sciences, M.G University</li><li>• <b>MSc Chemistry(Physical Chemistry), 2011, First Position</b> From School of Chemical Sciences, M.G University CGPA-8.39/10</li><li>• <b>BSc Chemistry, 2009</b> From Pavanatma College, Murickassery, 91.4%</li><li>• <b>CSIR-JRF, 2011, 13<sup>th</sup> Rank</b></li><li>• <b>GATE, 2012</b></li></ul>
<p><b>Google Scholar Profile Link</b> <a href="https://scholar.google.co.in/citations?user=LGucPY8AAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=LGucPY8AAAAJ&amp;hl=en</a></p> <p><b>Researchgate Profile Link</b> <a href="https://www.researchgate.net/profile/Anns_Maria_Thomas">https://www.researchgate.net/profile/Anns_Maria_Thomas</a></p>	<p><b>Areas of Interest</b></p> <ol style="list-style-type: none"><li>Teaching: Organic Chemistry, Spectroscopy, Quantum Mechanics</li><li>Research: Organic Synthesis, Catalysis</li></ol>
<p><b>Subjects Taught:</b> Organic Synthesis, Spectroscopy, Quantum Mechanics, Surface Chemistry, Thermodynamics, Electrochemistry</p>	
<p><b>Institutional Responsibilities</b></p> <ul style="list-style-type: none"><li>• Member of Admission committee (2016- present)</li><li>• Teacher-in charge of online teachers evaluation by students (2018-2020)</li><li>• Co-ordinator of KSCSTE sponsored National Science Day Celebrations-2017</li><li>• Member of NAAC steering committee</li></ul>	

**a. Research Papers in International Journals**

Year	Title	Name of the Journal	Volume/page no.	Scopus Number)
2014	Recent advances and perspectives in Copper catalyzed Sonogashira coupling reactions	RSC Advances	4,21688-21698	<a href="https://www.scopus.com/sourceid/21100199840">https://www.scopus.com/sourceid/21100199840</a>
2015	A general and inexpensive protocol for the Cu-catalyzed C–S cross-coupling reaction between aryl halides and thiols	Tetrahedron Letters	56,6560–6564	<a href="https://www.scopus.com/sourceid/26514">https://www.scopus.com/sourceid/26514</a>
2015	Recent advances in copper-catalyzed C-S cross-coupling reactions	ARKIVOC	1, 1-28	<a href="https://www.scopus.com/sourceid/22182">https://www.scopus.com/sourceid/22182</a>
2015	An efficient iron-catalyzed S-arylation of aryl and alkylthiols with aryl halides in the presence of water under aerobic conditions	Tetrahedron Letters	56,4923–4926	<a href="https://www.scopus.com/sourceid/26514">https://www.scopus.com/sourceid/26514</a>
2015	Goldberg Reaction: Development, Mechanistic Insights and Applications	Mini-Reviews in Organic Chemistry	12, 3-23	<a href="https://www.scopus.com/sourceid/4700152614">https://www.scopus.com/sourceid/4700152614</a>
2016	A Novel Protocol for the Cu-Catalyzed Sonogashira Coupling Reaction between Aryl Halides and Terminal Alkynes using trans-1,2-Diaminocyclohexane Ligand	ChemistrySelect	1,3938 – 3941	<a href="https://www.scopus.com/sourceid/21100850505">https://www.scopus.com/sourceid/21100850505</a>
2016	Recent advances and perspectives in the	Tetrahedron	72, 1-16	<a href="https://www.scopus.com/sourceid/26512">https://www.scopus.com/sourceid/26512</a>

	manganese-catalysed epoxidation reactions			
<b>2016</b>	Iron-Catalyzed Sonogashira Type Cross-Coupling Reaction of Aryl Iodides with Terminal Alkynes in Water under Aerobic Conditions	<b>ChemistrySelect</b>	3, 556 –559	<a href="https://www.scopus.com/sourceid/21100850505">https://www.scopus.com/sourceid/21100850505</a>
<b>2019</b>	A convenient route to 1,3-diynes using ligand-free Cadiot–Chodkiewicz coupling reaction at room temperature under aerobic conditions	<b>Synthetic Communications</b>	49,256-265	<a href="https://www.scopus.com/sourceid/26509">https://www.scopus.com/sourceid/26509</a>
<b>2019</b>	One-Pot Synthesis of Benzofurans via Cu–Catalyzed Tandem Sonogashira Coupling-Cyclization Reactions	<b>ChemistrySelect</b>	4, 5544 –5547	<a href="https://www.scopus.com/sourceid/21100850505">https://www.scopus.com/sourceid/21100850505</a>
<b>2020</b>	Exploration of the mechanism and scope of the CuI/DABCO catalysed C-S coupling reaction	<b>Polyhedron</b>	76, 114269-114274	<a href="https://www.scopus.com/sourceid/25303">https://www.scopus.com/sourceid/25303</a>

#### b. Best Paper Awards

Year	Title	Name of the Seminar/Conference	Remarks
2014	Novel protocol for Ullman C-O coupling reactions under aerobic condition	‘Recent Trends in Chemistry’ (RTric-2014), Baseliy College, Kottayam	

#### c. Details of Paper Presentations

- International Symposium on ‘New Trends in Applied Chemistry’ (NTAC-2017) organized by S.H College, Thevara, Kochi.

- UGC Sponsored National Seminar on 'Current Trends in Chemistry' (CTriC-2018) organized by Dept. of Applied Chemistry, CUSAT.
- National Symposium on 'Transcending Frontiers in Organic Chemistry' (TFOC-2014) organized by National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) Thiruvananthapuram.
- 29<sup>th</sup> Kerala Science Congress organized by KSCSTE, held at Mar Thoma College, Tiruvalla.
- UGC Sponsored National Seminar on 'Recent Trends in Chemistry' (RTriC-2014) organized by Beselius College, Kottayam.
- 27<sup>th</sup> Kerala Science Congress organized by KSCSTE held at Alappuzha
- National Seminar on 'Advanced Topic in Chemistry' (ATC-2015) organized by S. N. College, Nattika, Thrissur, Kerala
- UGC Sponsored National Seminar on 'Chemistry for Tomorrow's World' organized by B.K College, Amalagiri, Kottayam in 2015.

**d. Details of Orientation Programme/ Refresher Course Attended**

- UGC Sponsored Orientation course conducted by UGC-HRDC, Kannur University from 13-11-2019 to 03-12-2019
- Online Refresher Course in Chemistry for higher education faculty Sponsored by MHRD

**e. Details of MOOC Courses Completed**

- Introduction to Molecular Spectroscopy offered by University of Manchester (Coursera)