

**Aditanar College of Arts and Science  
Virapandianpatnam – 628216  
Tiruchendur  
Bio - Data**

<b>Name of the Department</b>	: Department of Chemistry
<b>Name of the faculty member</b>	: <b>Dr. I. Abulkalam Azath</b>
<b>Qualification</b>	: <b>M.Sc., M.Phil., Ph.D.</b>
<b>Present Designation</b>	: <b>Assistant Professor</b>
<b>Vidwan id</b>	: 250776
<b>Residential Address</b>	: 64, Parvata Singa Raja Street, Tirunelveli Town Tirunelveli-627 006
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<b>Email</b>	: akazath@gmail.com
<b>Gender</b>	: Male
<b>Community</b>	: BC Muslim
<b>Date of Birth and Age</b>	: 22-02-1984 & 39 years
<b>Date of joining</b>	: 29-07-2013
<b>Date of Retirement</b>	: 22-02-2044



## I. Particulars of Educational Qualification

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Chemistry	2004	Sadakathullah Appa College	Manonmaniam Sundaranar University	86.7 %	First
PG	M.Sc.,	Chemistry	2006	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	79.0 %	First with Distinction
M. Phil	M. Phil	Chemistry	2007	Madurai Kamaraj University	Madurai Kamaraj University	83.3 %	First with Distinction
Ph.D.	Ph.D.	Chemistry	2013	Madurai Kamaraj University	Madurai Kamaraj University	-	-

## II Additional Qualification

NET/SLET

- : i) Joint CSIR- JRF NET in June-2007  
ii) GATE Scorer-2007

## III Title of Ph.D. Thesis

- : Chemically Modified Cyclodextrins: Supramolecular Hosts for the Catalytic and Sensor Applications

## IV Faculty/Discipline/Subject in which Ph.D. was awarded

- : Chemistry

List of Publications : 13

No. of Candidates Completed Ph.D. under your Guidance : Nil

No. of candidates doing Ph.D. under your Guidance : One

## V Academic Experience:

Name of the College	Whether Govt/Aided /S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Aditanar College of Arts and Science	Aided	Assistant Professor	29-07-2013		10	2	16
<b>Total</b>					<b>10</b>	<b>2</b>	<b>16</b>

**VI Administrative/other Experience** : i) NSS Programme Officer from 17<sup>th</sup> July 2019-present  
ii) College website committee in-charge

**VII Other Relevant Information** : Member in Board of Studies in Sadakathullah Appa College  
Trainer for Govt of Tamil Nadu Residential Programme on  
Disaster Management (AAPDA Mitra Scheme)

## Publications

### Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings

Title of the Chapter/paper	Name of the authors	Title of the Book/ Proceedings of the conference	Name of the conference	National/ International	Year of publication	ISBN number of Book/ proceedings	Publisher/Affiliating Institute at the time of Publication
Please include book chapter							

### Research papers published in the Journals:

Title of paper	Name of the authors	Name of journal	Volume, Issue, Page No, Year	ISSN number	Is it listed in UGC Care list
Palladium nanoparticles embedded on thiourea-modified chitosan: a green and sustainable heterogeneous catalyst for the Suzuki reaction in water	Abdullah Affrose, Palaniswamy Suresh, Ismail Abulkalam Azath, and Kasi Pitchumani	RSC Advances	5, 27533-27539, 2015	2046-2069 (Online)	Yes
Oxidative hydroxylation of arylboronic acids to phenols catalyzed by copper nanoparticles ellagic acid composite	Abdullah Affrose, Ismail Abulkalam Azath, Amarajothi Dhakshinamoorthy and Kasi Pitchumani	J. Mol. Catal. A:Chem.,	395, 500-505, 2014	2468-8231	Yes
A ratiometric tetrazolylpyridine based "turn-on" fluorescent chemosensor for Zn <sup>2+</sup> ion in aqueous media	Palanichamy Kaleeswaran, Ismail Abulkalam Azath, Vairaperumal Tharmaraj and Kasi Pitchumani	ChemPlusChem,	79, 1361-1366, 2014	2192-6506 (Online)	Yes
Flavone Modified-β-cyclodextrin as a highly selective and efficient fluorescent chemosensor for Cu <sup>2+</sup> ions and L-Histidine	Ismail Abulkalam Azath and Kasi Pitchumani	Sensors and Actuators B: Chem	188, 59-64, 2013	1873-3077 (Online)	Yes

One pot multicomponent solvent-free synthesis of 2-amino-4H-benzo[b]pyrans catalyzed by Per-6-amino- $\beta$ -cyclodextrin.	Ismail Abulkalam Azath, Pillaiyar Puthiaraj, Kasi Pitchumani	ACS Sustainable Chem. Eng.,	1, 174-179, 2013	2168-0485	Yes
Per-6-amino- $\beta$ -cyclodextrin/CuI catalysed cyanation of aryl halides with $K_4[Fe(CN)_6]$ .	Ismail Abulkalam Azath, Palaniswamy Suresh, Kasi Pitchumani	New J. Chem.,	36, 2334-2339, 2012	1369-9261 (web)	Yes
$\beta$ -Cyclodextrin mediated acetic acid catalyzed diastereoselective Mannich reaction in water	Subbiah Sukumari, Ismail Abulkalam Azath, Kasi Pitchumani	Synlett	23, 2328-2332, 2013	1437-2096 (Online)	Yes
Per-6-ammonium- $\beta$ -cyclodextrin/p-nitrophenol complex as a colorimetric sensor for phosphate and pyrophosphate anions in water	Ismail Abulkalam Azath, Palaniswamy Suresh, Kasi Pitchumani	Sensors and Actuators B: Chem	155, 909-914, 2011	1873-3077 (Online)	Yes
Naked-eye detection of $Fe^{3+}$ and $Ru^{3+}$ in water: Colorimetric and ratiometric sensor based on per-6-amino- $\beta$ -cyclodextrin/p-nitrophenol	Palaniswamy Suresh, Ismail Abulkalam Azath, Kasi Pitchumani	Sensors and Actuators B: Chem	146, 273-277, 2010	1873-3077 (Online)	Yes
Synthesis of highly substituted 2,3-dihydro-1H-pyrrole derivatives via a tandem regioselective addition of nitrones to 1,3-enynes with subsequent rearrangement	Sivaperuman Saravanan, Ismail Abulkalam Azath, and Shanmugam Muthusubramanian	J. Org. Chem	73, 2323-2329, 2008	1520-6904 (web)	Yes