



# St Thomas College, Kozhencherry

Established in 1953 | Reaccredited by NAAC with Grade A | ISO 9001:2015 Certified | ISO 21001:2018 Certified

Affiliated to Mahatma Gandhi University, Kottayam

[www.stthomascollege.info](http://www.stthomascollege.info)

Kozhencherry P.O., Kerala State, Pincode: 689641 Phone: +91-9497445575, 0468-2214566

## Faculty Profile

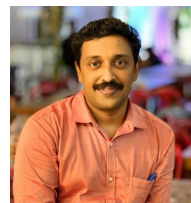
### Arun John

Assistant Professor

Department of Chemistry

Mobile No. +91 9446349396

✉ [arunjohn@stthomascollege.info](mailto:arunjohn@stthomascollege.info)



### Personal Details

Date of Birth	30/05/1985
Nationality	Indian
Marital Status	Married
Permanent Address	Kaleelil House, Karavallur PO, Punalur, Kollam, 670933

### Higher Education

2005 – 2007	M.Sc Chemistry, St Stephen's College Pathanapuram, Kollam.
2003 – 2005	B.Sc Chemistry, St John's College, Anchal, Kollam.
2007 – 2008	BEd Physicalscience, University of Kerala, Trivandrum.

### Professional Position

07 November 2014 to present	Assistant Professor, Department of Chemistry, St Thomas College, Kozhencherry
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### Teaching Experience

2014 – to present	Undergraduate students
	Postgraduate students

### Courses Taught

M.Sc	Quantum mechanics
	Electrochemistry
	Analytical procedures
B.Sc	Atomic structures, Periodic table, Data analysis
	Quantum mechanics and spectroscopy
	Chemistry in everyday life (Open Course)

## Courses Taught (continued)

- Solution chemistry, Group theory

## Professional Service Rendered

- |                               |   |
|-------------------------------|---|
| Assistant Professor till date | ■ Department of Chemistry, St Thomas College Kozhencherry.  |
| NSS PO 2016-'20               | ■ Programme Officer, National Service Scheme(NSS)   |
| AY 2018-'19 till date         | ■ Coordinator, IQAC Departmental coordinator  |
| AY 2016-'17 to AY 2019-'20    | ■ Convenor, Anti-Drug Cell Additional Examiner, M.Sc and B.Sc. Degree Practical Examinations held under Mahatma Gandhi University, Kottayam |
|                               | ■ Additional Examiner, M.Sc and B.Sc. Degree Examinations held under Mahatma Gandhi University, Kottayam                                    |

## Social Responsibilities Held

- Presiding Officer, Lok Sabha Election, May 2016
- Presiding Officer, Panchayath Election, November 2015

## Awards and Achievements

- |              |  |
|--------------|--|
| AY 2019- '20 | ■ Best NSS Programme Officer, MG University Kottayam.                        |
| AY 2018- '19 | ■ Certificate of merit awards by MG University- Jaivam project.              |
| June 2013    | ■ Thirteenth Rank, CSIR-UGC NET  |
| April 2007   | ■ twelfth Rank, M.Sc. Chemistry under Kerala University, Thiruvananthapuram. |

## Research Experience

- **Research Scholar (Part time)**, Postgraduate and Research Department of Chemistry, Marthoma College College, Thiruvalla, affiliated to Mahatma Gandhi University Kottayam. (from 1st September 2021 onwards)  
Guide: Dr Ajesh K Zachariha, Research Guide, Assistant professor, Postgraduate and Research Department of Chemistry, Marthoma College College, Thiruvalla  
Area of Research: Synthesize and varying application of carbon dots, Synthesize and biological and sensing application of silver nano particles, green synthesis of other metal nanoparticles.

## Areas of Specialization and Interest

- Quantum mechanics
- Electrochemistry
- Nanotechnology
- Analytical techniques

## Research Publications

- **Discussion on famous diets in a biochemical view .**  
Arun John, Healthy diet for tomorrow- a learning ISBN 9798889751069

## Research Publications (continued)



### Minor Research Project

- Completed Minor Research Project funded by KSCSTE titled **Carbon dot possessing high quantum yield and excellent fluorescence- optimised green synthesis characterization and heavy metal sensor applications**, KSCSTE Letter No-01144/SPS65/2021/KSCSTE dated 29/10/2021, Project Period 2021-2122.

### Project Guidance

- M.Sc/B.Sc
- Harsha H**, *Optimized Synthesize of Carbon dotes and sensing applications* (MSc 2020-22 Batch)
  - Greeshma Nandan**, *A green synthetic approach for the synthesis of carbon dotes* (MSc 2019-21 Batch)
  - Merin Ann Joseph**, *Chemical synthesize of Carbon Dotes nanoparticles using different plant extracts* (MSc2019-21 Batch)
  - Nisha Jacob**, *A green synthetic approach for the synthesis of Iron Oxide nano particle and applications* (MSC 2018-20 Batch)
  - Veena S Nair**, *A facile green synthesis of silver nanoparticles using different plant extracts and their antibacterial studies* (MSc2017-19 Batch)
  - Nithin s**, *Synthesis of Zinc oxide nanoparticles using chemical approaches and antibacterial application.* (MSc2016-18 Batch)

### Faculty Development Programmes Attended

- 15- 21 April 2021 Faculty Development Programme on Scheme for trans-Disciplinary research for india's developing economy, UGC-MHRD-STRIDE.
- January 2020 Refresher Course in Research methodology, Ramanujan College, University of Delhi and UGC MHRD.
- 09-29 January 2020 Orientation Course, UGC HRDC, Kannur University.
- 14 - 20 August 2019 Orientation course for NSS Programme officers, Empanelled by ministry of youth affairs and sports, Government of India.

### Community Service

- College NSS Programme Officer 2016-2020
- Coordinator- Community Extension Programme 2021-2023

### Skills

- Languages known
- English, Malayalam, Hindi.