

CURRICULUM VITAE



Dr. BINCY.I.P

Assistant Professor and Head

Department of Physics

MES College

Nedumkandam, Idukki

Kerala- 685553

Email: bincy.i.p@gmail.com

Contact Number: +91 9061167826

OBJECTIVE

To work in a dynamic and challenging environment which, gives an ample opportunity to learn more and where association is mutually beneficial.

POSITIONSHANDLED: HEAD OF THE DEPARTMENT, ASSISTANT PROFESSOR, PROJECT SUPERVISOR & SECONDARY PHYSICS TEACHER

SPECIALIZATION: PHYSICS

ACADEMIC PROFILE

M.sc ; Ph.D in Physics

Ph.D THESIS TITLE: SINGLE CRYSTAL GROWTH OF NEW ORGANIC COMPOUNDS AND THEIR CHARACTERIZATION FOR THIRD ORDER NONLINEAR OPTICAL APPLICATIONS

RESEARCH EXPERIENCE

- Working in the field of synthesis, growth and characterization of new organic single crystals using conventional slow evaporation solution technique.
- Characterization includes structural, thermal, mechanical, dielectric and optical (particularly third order nonlinear optical property)
- Supervised both post graduate and under graduate students in their projects.

WORKING EXPERIENCE

Period From	Period To	Position Function	Institution
July 2014	September 2014	Project Supervisor (M.Sc&B.Sc)	Providence Women's College, Calicut, Kerala (Government Aided College)
October 2014	December 2014	Guest Lecturer (Government)	Providence Women's College, Calicut, Kerala (Government Aided College)
March 2015	August 2015	Secondary Physics Teacher	Gems Our Own English High School, Dubai
April 2016	August 2016	Secondary Physics Teacher	Ryan International School , Abu Dhabi
July 2017	January 2018	Guest Lecturer (Government)	Providence Women's College, Calicut, Kerala (Government Aided College)
January 2018	-----	Assistant Professor & Head of the Department	MES College, Nedumkandam,Idukki, Kerala (Government Aided College)

SUBJECTS HANDLED FOR B.Sc and M.Sc

- Methodology of Science and Physics
- Properties of matter waves and Acoustics
- Electronics
- Solid State Physics, Spectroscopy and Laser
- Optics ,Laser, Electronics and Communication
- Plasma Physics
- Mathematical Physics

Major academic role

- Class Tutor
- Giving personal counselling to students on requirement
- Accomplish all the usual teaching learning practices including exam, valuation etc
- Play the role mentor, Counsellor, Motivator, Academic planner, career coach etc
- External Practical Examiner
- Supervise MSc & BSc project

Details of the Project students under my guidance

Completed project - 9 MSc students & 3 BSc students

On-going – 11 MSc

Role in the college

- 1) Head of the Department
- 2) Coordinator Women's Forum
- 3) Class tutor
- 4) Walk With Scholar Mentor

PAPERS PUBLISHED IN INTERNATIONALS JOURNALS

1. "3-Hydroxyanilinium p-Toluenesulfonate"

I.P. Bincy, R.Gopalakrishnan

Acta Crystallographica Section E, Vol. 69, pp. o1277 (2013).

2. "Synthesis, growth and characterization of new organic crystal: 2-Aminopyridinium p-Toluenesulfonate for Third order nonlinear optical applications"

I.P. Bincy, R.Gopalakrishnan

Journal of Crystal Growth, Vol.402, pp. 22-31 (2014).

3. "Studies on synthesis, growth and characterization of a novel third order nonlinear optical 4-Dimethylaminopyridinium p-Toluenesulfonate single crystal"

I.P. Bincy, R.Gopalakrishnan

Optical materials, 2014, Vol.37, pp. 267-276 (2014).

4. "Structure, growth and characterization of a new naphthalene family crystal for fluorescence and third order nonlinear optical applications", (as corresponding author)

I.P. Bincy, T. Srinivasan, S.N. Jaisankar, V.Ramkumar

Solid State Sciences, Vol. 89, pp. 85-92 (2019)

5. "Strong hydrogen bonding wide bandgap single crystals for optical and electronic applications", (as corresponding author)

I.P. Bincy, S.N. Jaisankar, M.P Pachamuthu, D. Santharaj, D.Prakash, V.Ramkumar

Optics and Laser Technology, Vol.120 (2019) 105710

INSTRUMENTS HANDLED

- Vickers Hardness tester
- Single beam Z-Scan technique

SOFTWARES KNOWN

- Crystallographic softwares like WinXMorph, POWDERX, XRDA and MERCURY
- Origin

PAPER PRESENTED IN NATIONAL CONFERENCE

1. **“Studies on synthesis, growth and characterization of 3HAPTS crystal for third order nonlinear applications”** in the **“18th National Seminar on Crystal Growth (XVIII-NSCG-2014)”** held at Centre for Crystal Growth, SSN College of Engineering, Kalavakkam- 603110, Tamilnadu during February 24-27, 2014.
2. **“Wide Band Gap Organic Single Crystal for Thermal and Third Order Nonlinear Optical Applications”** in the **“International Conference on Materials Science and Engineering”** held at **Melbourne, Australia** during September 16-18, 2019.

SEMINARS / CONFERENCES ATTENDED

1. Attended **“XVI National Seminar On Crystal Growth (XVI-NSCG-2012)”** held during January 19-21, 2012 at Aditanar College of Arts and Science, Tiruchendur, Tamilnadu, India
2. Attended Special Lecture on **“How to do a Good P.HD thesis”** held during May 07-09, 2012 at Crystal Growth Centre, Anna University, Chennai-25, Tamilnadu, India
3. Attended **“Workshop on Preparation, Characterization of Crystalline Materials and their Applications”** held during July 16-17, 2012 at Department of Physics, Anna University, Chennai-25, Tamilnadu, India.
4. Attended **“Indo-UK Workshop on Advanced Materials Engineering & Technology”**, held during July 27-28, 2012 at Anna University, Chennai-25, Tamilnadu, India.
5. Attended **“XVII National Seminar on Crystal Growth (XVII-NSCG-2013) in association with INDIAN ASSOCIATION FOR CRYSTAL GROWTH”**, held during 9-11 January, 2013 at Department of Physics, Anna University, Chennai-25, Tamilnadu, India.
6. Attended **“Workshop on Laser Technology & its Applications (WLTA '13)”**, held on February 11, 2013 at Department of Physics, B.S.ABDHUR RAHMAN UNIVERSITY, Chennai-48, Tamilnadu, India.

7. Attended **“Research Methodology, Techniques of Writing Research Articles”**, held during 27-28 February, 2013 at Department of Physics, Anna University, Chennai-25, Tamilnadu, India.
8. Attended **“Short Term Course on Research Methodology, Techniques of Writing Research Articles for SCI Journals and Ph.D Thesis Preparation”**, held during 6-7 March, 2013 at Department of Geology, Anna University, Chennai-25, Tamilnadu, India.
9. Participated and exhibited the innovations in the **“Technology Exhibition”**, held during May 13-14, 2013 organized by Centre for Technology Development and Transfer, Anna University, Chennai-25, Tamilnadu, India.
10. Attended **“Workshop on Laser Technology & its Applications (WLTA '14)”**, held on March 19, 2014 at Department of Physics, B.S.ABDHUR RAHMAN UNIVERSITY, Chennai-48, Tamilnadu, India.
11. Attended UGC sponsored **“National Seminar on Facets of Physics”**, held during November 6-7, 2014 at Department of Physics, Providence Women’s College, Calicut, India.
12. Attended Two days National Seminar on **“ Materials Chemistry (MCS-2014)”**, held during October 30-31, 2014 Sponsored by University Grants Commission, Govt. of India at Department of Chemistry, Providence Women’s College, Calicut, India.
13. Attended National Seminar on **“Impact of Crystallography on Modern Science”**, held on December 4th, 2014 organized by Department of Physics Government of Arts & Science college, Kozhikode, India.
14. Attended National Seminar on **“Current Trends in Mathematical and Experimental Physics”**, held during October 16-17, 2018 organized by the Department of Physics, S.A.R.B.T.M Govt. College, Koyilandy, India and Sponsored by the Directorate of Collegiate Education, Govt. of Kerala.

15. Attended Two-day National Seminar on “**New Horizons in Theoretical and Experimental Physics**” held during November 5-6, 2019 organized by the Department of Physics, S.A.R.B.T.M Govt. College, Koyilandy, India and Sponsored by the Directorate of Collegiate Education, Govt. of Kerala.

REFERENCES

1) Prof. A M RASHEED

Principal

MES College , Nedumkandam

Idukki, Kerala-685553

E mail: mesnmg@gmail.com

Mobile Number: +919446718744

2) Dr. LATHA PANAKKADA

Head of the Department of Physics

Providence Women’s College

Calicut, Kerala -673 009

E mail: lathapanak@yahoo.co.in

Mobile Number: +919847154956

PERSONAL MEMORANDUM

Nationality: Indian

Countries visited: United Arab Emirates, Australia

Languages known: English, Hindi, Malayalam& Tamil

Marital Status: Married

DECLARATION

I hereby declare that the above statements are true, complete and correct to the best of my knowledge and belief.

(Dr.BINCY.I.P)