

## FACULTY PROFILE

<b>NAME</b>	<b>Dr. BINITHA M P</b>	
<b>DESIGNATION</b>	<b>Associate Professor</b>	
<b>QUALIFICATION</b>	<b>MSc, NET, PhD</b>	
<b>EMAIL ID</b>	<b>binithamp@gmail.com</b>	
<b>PHONE NO</b>	<b>9447950664</b>	

### POSITIONS HELD IN COLLEGE

<ul style="list-style-type: none"><li>• <u>Coordinator, ICC</u></li></ul>
<ul style="list-style-type: none"><li>• <u>NAAC steering committee member</u></li></ul>
<ul style="list-style-type: none"><li>• <u>Research committee member</u></li></ul>

### TEACHING INTERESTS

Quantum Mechanics Nuclear Physics Materials Science
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### RESEARCH AREAS

Nanomaterials Crystal growth Thin film
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### RESEARCH GUIDESHIP AND CENTRE

<b>RESEARCH CENTRE: Dept. of Physics, Govt. Arts &amp; Science College, Calicut</b>
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### Ph.D GUIDED

SL.NO	NAME OF THE STUDENT	TITLE	UNIVERSITY & WORK CENTRE	MONTH/ YEAR
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### RESEARCH PROJECTS/GRANTS/FELLOWSHIPS RECEIVED

SL.NO	TITLE	INVESTIGATORS	SPONSORING AGENCY	MONTH/YEAR
1				

### MEMBERSHIPS IN BOARD/ ASSOCIATION/ PROFESSIONAL AFFILIATIONS

<ul style="list-style-type: none"><li>• Member- MSc Physics board of studies of University of Calicut</li></ul>
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### INVITED TALKS/IN MEDIA/ANY OTHER

<ul style="list-style-type: none"><li>•</li></ul>
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**JOURNAL PUBLICATIONS**

SL.NO.	TITLE	NAME OF JOURNAL / VOL. NO / ISSUE NO / PAGE NOS	ISSN NO	MONTH / YEAR
1	Structural and magnetic studies on copper succinate dihydrate single crystals	Bull. Mater. Sci., Vol. 40, No. 5 pp. 1007-1011	0250-4707	<u>2017</u>
2	Spectroscopic, thermal and dielectric studies on copper maleate monohydrate single crystals	Indian J. Pure & Applied Physics Vol 54, 453-457	0975-1041	<u>2016</u>
3	Studies on growth, thermal and dielectric behaviour of calcium succinate trihydrate single crystals	J. Cryst. Growth. 396 (2014) 38.	0022-0248	<u>2014</u>
4	Growth, characterization and dielectric property studies of gel grown barium succinate single crystals,	Bull. Mater. Sci., 37 3 (2014) 1.	0250-4707	<u>2014</u>
5	Spectroscopic and dielectric studies of strontium succinate crystals.	Indian J Phys., 88 5 (2014) 497	0973-1458	<u>2014</u>
6	Structural, thermal and electrical characterization on gel grown copper succinate dihydrate single crystals.	Phys. Scr., 87 (2013) 065603	1402-4896	<u>2013</u>
7	Growth and studies on properties of copper succinate dihydrate crystals	Modern Physics Letters B, 27 11 (2013) 1350073.	0217-9849	<u>2013</u>
8	Thermal degradation, dielectric and magnetic studies on copper tartrate trihydrate crystals	J. Therm. Anal. Calorim., 114 2 (2013) 665	1388-6150	<u>2013</u>
9	Dielectric property studies of biologically compatible brushite single crystals used as bone graft substitute	Journal of Biomaterials and Nanobiotechnology, 4 (2013) 119.	Print: 2158-7027 Online: 2158-7043	<u>2013</u>

10	Growth, characterization and dielectric property studies of zinc succinate crystals grown in silica gel medium	IOSR Journal of Applied Physics (IOSR-JAP), 2 4 (2012) 13.	2278-4861	<u>2012</u>
11	Structural and spectroscopic studies on calcium succinate single crystals	AIP conference proceedings, 1591 (2014) 1200. VI	1551-7616	<u>2014</u>

#### CONFERENCE PUBLICATIONS

SL.NO.	TITLE	NAME OF CONFERENCE	VENUE, MONTH /YEAR
1.	Correlation of structure on the magnetic properties of copper succinate dihydrate single crystals	International conference ICMCT-2014, VIT University-Vellore,	10-12th March-2014
2.	Dielectric property studies of biologically compatible calcium hydrogen phosphate single crystals used as bone graft substitute	International conference ICRAM 2012, VIT University Vellore	20-22nd February-2012.
3.	Structural and spectroscopic studies on calcium succinate single crystals	58th DAE-SSPS, Thapar University-Patiala	17-21st December-2013.
4.	Growth and property studies of a bone grafting crystalline material-CHPD	National seminar ETTEP 2012, Farook College Calicut,	23-24th September-2012.
5.	Electrical characterization of copper tartrate single crystals	NSAMS 2012, Manonmanium Sun daranar University, Thirunelveli	23-24th January-2012.
6.	Synthesis, vibrational analysis and dielectric behaviour of CaHPO <sub>4</sub> . 2H <sub>2</sub> O single crystals grown in silica gel medium	Mod Phys-2011, Department of Physics, M E S K V M College Valanchery,	12-13th September-2011

#### ARTICLES IN PERIODICALS/MAGAZINES/ANY OTHER

SL.NO.	TITLE	NAME OF PERIODICAL	MONTH/ YEAR
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**BLOG/WEB ARTICLES**

SL.NO.	TITLE	URL	SUBJECT	MONTH / YEAR

**BOOKS AS AUTHOR/EDITED/CHAPTERS/REVIEWS**

SL.NO	TITLE	AUTHOR NAMES	ISBN NO.	MONTH/YEAR
1.				

**SEMINARS ORGANIZED**

SL.NO	NAME OF THE SEMINAR	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	POSITION HELD	LEVEL *
1.	Theoretical and Experimental Approaches for Exploring Advanced Materials	DCE	Govt. Arts & Science College, Calicut 13-15 <sup>th</sup> December 2017	Coordinator	National
2.	RECENT TRENDS IN PHYSICS	DCE	15-16 JAN 2015	COORDINATOR	INTERNATIONAL
3	FRONTIER LECTURES IN PHYSICS	DCE	30 DEC, 1-2 JAN 2016	COORDINATOR	REGIONAL

**MOOC COURSE CONDUCTED**

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1.				

**E-CONTENT DEVELOPED**

SL.NO	SUBJECT	TOPIC	WEBSITE LINK
1.			

**PAPER PRESENTATION AT STATE / NATIONAL/ INTERNATIONAL PROGRAMMES**

SL.NO	TITLE OF THE PAPER	NAME OF THE INSTITUTION	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE
1.	Correlation of structure on the magnetic properties of copper succinate dihydrate single crystals -	VIT University Vellore	International conference ICMCT held at VIT University Vellore	10-12 March 2014

2.	Dielectric property studies of biologically compatible calcium hydrogen phosphate single crystals used as bone graft substitute -	VIT University, Vellore.	International conference ICRAM 2012- VIT University, Vellore.	20-22 February 2012
3.	Electrical characterization of copper tartrate single crystals -	Manonmanium Sundaranar University Thirunelveli	National Seminar-NSAMS 2012 Manonmanium Sundaranar University Thirunelveli	23, 24 January 2012
4.	Growth and property studies of a bone grafting crystalline material –CHPD,	Farook College, Calicut	National Seminar-ETTEP 2012 Farook College, Calicut	23, 24 September 2012
5.	Synthesis, vibrational analysis and dielectric behaviour of $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ single crystals grown in silica gel medium	M E S K V M College, Valanchery,	National Seminar in Modern Trends in Physics- Department of Physics, M E S K V M College, Valanchery,	12,13 September 2011.

#### **SEMINARS/CONFERENCES/WORKSHOPS ATTENDED**

<b>SL.NO</b>	<b>NAME OF THE PROGRAMME</b>	<b>NAME OF THE ORGANISER &amp; SPONSORING AGENCY</b>	<b>VENUE &amp; DATE</b>	<b>LEVEL *</b>
1.	National seminar Fundamentals of Nuclear and Particle Physics	DCE	2 day CKGM Govt college Perambra 13 th & 14 th November 2018	<b>National</b>
2	National workshop on fundamentals of Mathematical Physics	DCE	Govt. College Kodanchery 2 days 5 th and 6 th December 2018	<b>National</b>

3	International conference on Sustainable Innovations in Green Chemistry and New Technological Developments	Govt. of Kerala	Maharajas College, Ernakulam 2 days, 11 th & 12 th December 2018	International
4	National workshop on Quantum statistical mechanics	DCE	2 days 11 th & 12 th December 2017 SARBTM Govt college Koyilandi	National

#### **OTHER PROGRAMMES ATTENDED**

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1.				

#### **PARTICIPATION /DEPUTAED IN PROJECTS/EXTENDED ACTIVITIES INITIATED BY GOVERNMENT**

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	PERIOD/DURATION
1.			

#### **AWARDS/ACHIEVEMENTS/ POSITIONS/ OTHERS**

SL.NO.	NAME OF AWARDS/ ACHIEVEMENTS/OTHERS	DESCRIPTION	MONTH/ YEAR
1.	Dr. A J Ragina Memorial doctoral dissertation award	Instituted by Nehru Arts & Science College, Kanjangad	2016
2.	Second best paper award in International conference : ICRAM-2012	VIT University-Vellore	20-22nd February-2012.
3.	Best paper award	National Seminar : NSAMS-2012, Manonmanium Sundaranar University-Thirunelveli	January-2012.

#### **OTHER RELEVANT INFORMATION IF ANY**