

### 3.3.2 - workshops/seminars on Research Methodology, IPR, Entrepreneurship and Skill Development

**Workshop title: National Seminar on "Emerging trends in chemical research"**

**Organized by: PG and Research Department of Chemistry**

**No of Participants:100**

**Date of event: 28 -02-2017 to 1-03-2017**

#### Brochure

<p>Dear Sir/Madam,</p> <p>I have great pleasure to inform you that our Department is organizing a two day National Seminar on <b>"Emerging trends in Chemical Research"</b> in connections with our 100th Anniversary Celebrations, which is sponsored by the University Grants Commission.</p> <p>I cordially invite the faculty members and PG Students of your institution to participate in this seminar.</p> <p><b>Dr. T. M. Jose CMI</b> Principal</p> <p><b>Dr. Mathew Paul Ukken</b> Head, Dept. of Chemistry General Convenor</p> <p><b>Dr. V.T. Joy</b> Convenor</p> <p><b>Dr. Arun S</b> Coordinator</p> <p><b>IRINJALAKUDA CHRIST COLLEGE, IRINJALAKUDA</b></p> <p>Established in 1956, Christ College, Irinjalakuda is a premier educational institution in the state of Kerala, dedicated to the cause of higher education. The College is affiliated to University of Calicut and re-accredited by NAAC 'A' Grade.</p> <p><b>DEPARTMENT OF CHEMISTRY</b></p> <p>The Department of Chemistry offers undergraduate and postgraduate programme, post graduate diploma (in Sustainable and Green Energy Technologies) and Ph.D programme. The Department is a recognized research centre of Calicut University and supported by DST-FIST programme.</p> <p>The Department of Chemistry started functioning with the very inception of the college and has produced many nationally and internationally reputed personalities. Our vision is to train the young ones to meet the challenges of a fast changing world and to play their role in creating a better world.</p> <p><b>OBJECTIVES OF THE SEMINAR</b></p> <p>This National Seminar intends to bring the members of the faculty and PG students from all the Universities and affiliated colleges of Kerala and its neighbouring states together and help them to update their knowledge in the</p>	<p align="center"><b>PROGRAMME SCHEDULE</b></p> <p align="center"><b>28<sup>th</sup> February 2017</b></p> <p>9.00 am to 10.00 am : Registration</p> <p>Welcome Address : <b>Rev. Dr. T. M. Jose C.M.I</b> (Principal)</p> <p>Presidential Address : <b>Rev. Fr. John Thottappilly C.M.I</b> (Manager)</p> <p>Inaugural Address : <b>Dr. K.V. Radhakrishnan</b> Principal Scientist, CSIR-NIIST, Thiruvananthapuram</p> <p>Vote of Thanks : <b>Dr. Mathew Paul Ukken</b> (Head, Dept. of Chemistry)</p> <p>10.45-11 am : Tea Break</p> <p><b>11-12.30 am : TECHNICAL SESSION-I</b></p> <p><b>Speaker:</b> <b>Dr.K.V.Radhakrishnan</b> Principal Scientist, CSIR-NIIST, Thiruvananthapuram</p> <p><b>Title:</b> Tapping the potential of hottest hotspot of the World biodiversity: Phytochemical profiling of medicinal Plants from SAHYADRI (Western Ghats)</p> <p>12.30-1.30 pm : Lunch Break</p> <p><b>1.30-2.30 pm : TECHNICAL SESSION-II</b></p> <p><b>Speaker:</b> <b>Dr. Kaustabh Kumar Maiti</b> Senior Scientist, Chemical Science &amp; Technology Division-CSIR-NIIST, Thiruvananthapuram</p> <p><b>Title:</b> New Insight of Nano-bio-Science: An Approach Towards Diagnosis and Drug Delivery for Cancer Treatment</p> <p><b>2.30-3.30pm : TECHNICAL SESSION-III</b></p> <p><b>Speaker:</b> <b>Dr.Vineth Vijayan</b> Assistant Professor, School of Chemistry, Indian Institute of Science Education and</p>	<p>3.30-3.45pm : Tea Break</p> <p>3.45-4.45pm : Paper presentation</p> <p align="center"><b>1<sup>st</sup> March 2017</b></p> <p><b>9.30 am to 10.45 am : TECHNICAL SESSION-IV</b></p> <p><b>Speaker:</b> <b>Prof. Dr. Sabu Thomas</b> Director, Centre for Nanoscience and Nanotechnology, Professor of Polymer Science &amp; Engineering, School of Chemical Sciences, MG University.</p> <p><b>Title:</b> Engineering at the Nanoscale- A Strategy for Developing High Performance Functional Materials.</p> <p>10.45-11 am : Tea Break</p> <p><b>11-12.30 pm. : TECHNICAL SESSION-V</b></p> <p><b>Speaker:</b> <b>Dr.Manohar D. Mullassery</b> Assistant Professor, Fatima Mata National College (Autonomous), Kollam.</p> <p><b>Title:</b> Computational Quantum theory- Fundamentals and Applications.</p> <p>12.30-1.30 pm : Lunch Break</p> <p><b>1.30-2.30 pm : TECHNICAL SESSION-VI</b></p> <p><b>Speaker:</b> <b>Dr.Manohar D. Mullassery</b> Assistant Professor, Fatima Mata National College (Autonomous), Kollam.</p> <p><b>Title:</b> Computational Quantum theory- Fundamentals and Applications.</p> <p>2.30-2.45 pm : Tea Break</p> <p>2.45-3.45 pm : Paper presentation</p> <p>3.45-4.30 pm : Evaluation and Valedictory</p>
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REGISTRATION FORM	
Name	
Designation	
Address	
Mobile No.	
Email Address	

**ALL FOR PAPERS**

Research papers invited from research scholars, P.G students and Teachers. Paper should be in MS word format (font: Times New Roman and should contain paper title (font size: 14 pt), author's Name (s) (11 pt), affiliation (10 pt) and email ID (10 pt, italics), Name of the corresponding author shall be marked with\*, content of the paper (12 pt) should not exceed two pages.

Participants are requested to submit the abstract by email to [arunkalazans@gmail.com](mailto:arunkalazans@gmail.com) by 18<sup>th</sup> February 2017. Acceptance will be intimated through email before 22<sup>nd</sup> February 2017 and abstract will be published in the seminar proceedings.

**ORAL PRESENTATION**

While submitting the abstract the author/s may indicate in the registration form whether they would like to make an oral presentation. The organizing committee will select a limited number of abstracts for oral presentation. Each speaker will be allocated 10 minutes for presentation and 2 minutes for discussion.

**POSTER SESSION**

Poster must not be larger than 100cm x 100cm. Participants are requested to send the filled registration form to [arunkalazans@gmail.com](mailto:arunkalazans@gmail.com) on or before 25<sup>th</sup> February 2017. If required, accommodation can be arranged.

**ORGANISING COMMITTEE**

<b>Patron</b> Rev. Fr. John Thottappilly C.M.I	<b>Dr. V.T. Joy (Convenor)</b> Dr. Rani Varghese
<b>Manager</b> <b>Chairman</b> Rev. Dr. T.M. Jose CMI	Dr. Digna Varghese Dr. Robinson. P. Punniyasekaran
<b>Principal</b> Dr. Mathew Paul Ukken (HOD) (General Convenor)	Dr. Titto Varughese Dr. Arun S (Coordinator)
	Dr. Tom Cherian Dr. Jihin. A.K Dr. Bijesh. M.B

**HOW TO REACH IRINJALAKUDA**

The major railway station near to Christ College is Thrissur (Trichur), which is about 20 km north of Irinjalakuda. Irinjalakuda railway station is only about 10 km from the College, but all trains (superfast and some long distance trains) may not stop at this station. Inform your arrival at the earliest and the necessary arrangements will be made at both stations to bring you to the college.

Whom to contact  
**Dr. Mathew Paul Ukken**  
Ph.No. +91-9495464016,  
E-mail: [mathewpaulster@gmail.com](mailto:mathewpaulster@gmail.com)

**Dr. V.T. Joy**  
Ph.No. +91-9995108034,  
Email: [joyvthomas2002@gmail.com](mailto:joyvthomas2002@gmail.com)

All correspondence should be addressed to:  
**Dr. Arun S (Coordinator)**

**RESEARCH & POST GRADUATE DEPARTMENT OF CHEMISTRY**  
**CHRIST COLLEGE**  
(AUTONOMOUS)  
IRINJALAKUDA  
Thrissur - 680125, Kerala  
Affiliated to the University of Calicut and  
Re-accredited by NAAC (Grade A)

**National Seminar**  
on  
**EMERGING TRENDS IN**  
**CHEMICAL RESEARCH**  
28<sup>TH</sup> FEBRUARY & 1<sup>ST</sup> MARCH 2017

## Report of the event

A UGC sponsored national seminar on “Emerging Trends in Chemical Research” was conducted on 28<sup>th</sup> of February and 1<sup>st</sup> of March 2017 by the Department of Chemistry. The seminar was conducted in Fr. Jose Thekkan seminar hall and was inaugurated by Prof. Dr. K.V. Radhakrishnan, Senior Scientist, National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala. He gave the keynote lecture on “Emerging Trends in Chemical Research” and released the Seminar proceedings. There were six technical sessions and fifteen paper presentations.

The seminar was attended by 150 participants which included faculty and students from other institutions. The Valedictory function was chaired by Prof (Dr). Sabu Thomas, Vice Chancellor, Mahatma Gandhi University, Kottayam, Kerala. The seminar focussed on phytochemical profiling of medicinal plants, New insight of Nano-bio-Science towards Diagnosis and Drug, Applications of High-resolution NMR spectroscopy, Strategy for Developing High Performance Functional materials and computational Quantum theory etc. The program highlighted the modern strategies of chemistry and advances in all of the sub-disciplines of chemistry, from both academic and industrial perspectives and turned out to be really useful for all the students, research scholars and faculty present.



Attendance



Sl. No.	Name	Designation	College / University	Signature
1.	Dr. Subin K Jose		Christ College	<i>[Signature]</i>
2.	Dr. Digna Varghese	Asst. Professor	"	<i>[Signature]</i>
3.	Dr. Rani Varghese	Asst. Professor	"	<i>[Signature]</i>
✓ 4.	Dr. Binoy Joseph	"	St. Mary's college, TCR	<i>[Signature]</i>
✓ 5.	SREELAKSHMI A	"	Vimala College TCR	<i>[Signature]</i>
✓ 6.	P. A. Jose	Professor	Mother Arts and Science College, Peruvally	<i>[Signature]</i>
7.	R. JAYARAM	"	Christ College, Idukki	<i>[Signature]</i>
✓ 8.	K. S. Babu	"	S. H. College, Chalakudy	<i>[Signature]</i>
✓ 9.	MINI C.V	"	MOTHER ARTS & SCIENCE COLLEGE, PERUVALLY	<i>[Signature]</i>
✓ 10.	Dr. U. L. Kala	Assoc. professor	S. N. College, Nattika	<i>[Signature]</i>
✓ 11.	Dr. Anabha ER.	Asst. Professor	SNU College, Nattika	<i>[Signature]</i>
✓ 12.	Dev. V. S. Gurusamy	Assoc. Prof.	S. K. V. C. Thiruvananthapuram	<i>[Signature]</i>

Sl. No.	Name	Designation	College / University	Signature
13.	SHERID MICHAEL (AWITTAPPILLY)	3 <sup>rd</sup> SEM MSc CHEMISTRY	S. H. COLLEGE CHALAKUDY	<i>[Signature]</i>
14.	Roshma N K	1 <sup>st</sup> Sem MSc Chemistry	St. Joseph's college, Minjolakuda	<i>[Signature]</i>
15.	KEERTHANA - M S	1 <sup>st</sup> SEM MSc CHEMISTRY	ST. JOSEPH'S COLLEGE, TRINTALAKUDA	<i>[Signature]</i>
16.	RESMI - C M	1 <sup>st</sup> SEM MSc CHEMISTRY	"	<i>[Signature]</i>
17.	Greja. M	"	"	<i>[Signature]</i>
18.	SNEHA T. V	"	"	<i>[Signature]</i>
19.	KRISHNA. K. R	"	"	<i>[Signature]</i>
20.	Anju. K. S	"	"	<i>[Signature]</i>
21.	RIYA JOSE. K	"	"	<i>[Signature]</i>
22.	Anita Paul	7 <sup>th</sup> Sem MSc Chemistry	S. H. college Chalakudy	<i>[Signature]</i>
23.	GAYATHRI RAVEENDRAN	"	"	<i>[Signature]</i>
24.	Pruthi Vijayan	"	"	<i>[Signature]</i>

Sl. No.	Name	Designation	College / University	Signature
25	REVATHY P.V.	I MSc CHEMISTRY	S.H. COLLEGE CHALAKUDY	
26	STEFY. JOY	I MSc CHEMISTRY	SH. COLLEGE, CHALAKUDY	
27	ARUNA. C	"	"	
28	VINNIKRISHNA.M.B.	"	"	
29	Anjaly.C.G.	"	"	
30	AYISHA.M.K.	II MSc CHEMISTRY	MOTHER ARTS & SCIENCE COLLEGE, PERUMALLUR	
31	DEEPA. K	"	"	
32	ANILA.P. JOSE	"	"	
33	NAVYA. N.S	"	"	
34	SALABHA.M.S	"	"	
35	THOMAS JOSEPH	"	"	
36	FASNA. C	"	"	

Sl. No.	Name	Designation	College / University	Signature
37	SALINI. A.P.	MS <sub>2</sub> CHEMISTRY	MOTHER ARTS AND SCIENCE COLLEGE	
38	Gileswini Babu.	MS <sub>2</sub> Chemistry	MOTHER ARTS AND SCIENCE COLLEGE	
39	ANITHY. P.F	ms <sub>2</sub> chemistry	mother arts and science college	
40	Dency C. Lona	"	"	
41	Lincy. Jose. A.	"	"	
42	ATHIRA MOHANAN	"	"	
43	GIREESHMA.N.K	"	St. Joseph's college UK	
44	GIANGIA P.GI	MSc S <sub>1</sub> chemistry	Brockegala Varma college, Thrissur	
45	Deepa Joseph K.	S <sub>1</sub> MSc Chemistry	Vimala College, Thrissur	
46	ANN MARIA C.G.	"	"	
47	VINAYA FRANCIS	"	"	
48	PRAVITHA T.R	"	"	

Sl. No.	Name	Designation	College / University	Signature
49	VARSHA . V	MSc S <sub>1</sub> CHEMISTRY	VIMALA COLLEGE THRISSUR	
50	ANU WILSON . C	"	"	
51	Nitha Thomas . c	"	"	
52	Vaimolha Nandam T	"	"	
53	HAFSATH . M	"	"	
54	AKHILA . O . M	"	"	
55	ANJALI . T . R	"	"	
56	ATHIRA . O . M	"	"	
57	SAFNA LAWRANCE	MSc S <sub>3</sub> CHEMISTRY	MOTHER ARTS & SCIENCE COLLEGE PERINTALUR	
58	SAITHIA . T . S	MSc S <sub>1</sub> CHEMISTRY	"	
59	HISNA V . H .	"	"	
60	ATHIRA . S . NAIR	M.Sc S <sub>1</sub> CHEMISTRY	"	

Sl. No.	Name	Designation	College / University	Signature
61	Sreedevi . P . J	Msc . chemistry .	Mother arts & science college Perintalur .	
62	HARSHA HARIHARAN	Msc <sup>31</sup> CHEMISTRY	SACRED HEART COLLEGE CHALAKUTY	
63	VISHVA . R . RAJAN	PHD . CHEMISTRY		
64	Madhyath M . A	Msc <sup>5</sup> chemistry	Mother arts & science college	
65	Rajeswary Raj . R	Msc <sup>8</sup> chemistry	SKVC	
66	ASHA . D . A	Msc CHEMISTRY	SKVC TRISSUR	
67	Mary Jesna . K . A	MSc . chemistry	Mother Arts & Science college, PVR	
68	SAHALA . A . A	MSc . Chemi <sup>1st sem</sup>	"	
69	SREELAJA . C . S .	M . Sc . Che I <sup>st sem</sup>	SREE KERALA VARMA COLLEGE	
70	NEESHMA . V . P .	"	"	
71	ASWANI . L . B	"	SKV .	
72	EUNICA K . SUNNY	MSc CHEMISTRY I <sup>st sem</sup>	SREE KERALA VARMA COLLEGE	

Sl. No.	Name	Designation	College / University	Signature
72	Aiswaryachandran	Msc. Chemistry 1 <sup>st</sup> sem	Keralavarma	Aiswaryachandran
73	DINCY JOBBIN	M.Sc. CHEMISTRY, 1 <sup>st</sup> sem	KERALA VARMA COLLEGE	Dincy Jobbin
74	KARTHIK M. MENON	M.S.C CHEMISTRY, 1 <sup>st</sup> sem	SKVC,	Karthik M. Menon
75	ABITHA P R	MSC CHEMISTRY 3 <sup>rd</sup> sem	CHRIST COLLEGE	Abitha P R
76	Dyasha Deyaram	"	"	Dyasha Deyaram
77	DIMPLE PAUL C	"	"	Dimple Paul C
78	ANUJU DAVIS P V	"	"	Anuju Davis P V
79	LAKSHMIT S	MSC CHEMISTRY, 1 <sup>st</sup> sem	ST. THOMAS COLLEGE, THRISSUR	Lakshmit S
80	Anju P	M.Sc. Chemistry 3 <sup>rd</sup> sem	Mother Teresa Science College, Nellikun	Anju P
81	JERIN M R	M.Sc. Chemistry 3 <sup>rd</sup> sem	CHRIST COLLEGE	Jerin M R
82	KRISHNA JOSHY	M.Sc. Chemistry 1 <sup>st</sup> sem	S.H. college Chalakkudy	Krishna Joshy
83	REKHA VARHESE	M.Sc. Chemistry 1 <sup>st</sup> sem	"	Rekha Varhese

Sl. No.	Name	Designation	College / University	Signature
84	Blessy Vincent V	Student	St. Thomas College Thiruvananthapuram	Blessy Vincent V
85	Stephy Francis P	"	"	Stephy Francis P
86	V.D. A. K.P	"	"	V.D. A. K.P
87	MANSIA VM	"	"	Mansia VM
88	DINNI DAVIS C	"	"	Dinni Davis C
89	Athira K.R.	"	"	Athira K.R.
90	Athira C.R	"	"	Athira C.R
91	Divya F	"	"	Divya F
92	Anila P	"	"	Anila P
93	Silpa Vijayam	"	"	Silpa Vijayam
94	Alvin Jolly C	"	"	Alvin Jolly C
95	Jesna James	"	St. Mary's college Thiruvananthapuram	Jesna James



Sl. No.	Name	Designation	College / University	Signature
96	Anisha Antony. K		ST-MARY'S COLLEGE	Anisha
97	Syam Sundar. K. T	MSc II <sup>nd</sup> Phys Chem-I		<del>Syam</del>
98	Akhil. C	"	"	<del>Akhil</del>
99	Athira. madhavan	M.Sc I <sup>st</sup> P.C. Chem	ST-MARY'S college	Athira
100	Minu Elizabeth. M	MSc I <sup>st</sup> Sem chemistry	St. Mary's college	Minu Elizabeth
101	Neetha. V. C	Christ coll MSc 2 <sup>nd</sup> year	Christ college 1715	Neetha
102	Remya A. S	"	"	Remya
103	Aswani. M	MSc I <sup>st</sup> chemistry	ST-Mary's College	Aswani
104	Masaina. C. T	I <sup>st</sup> MSc CHEMISTRY	ST-MARY'S College Thiruvananthapuram	Masaina
105	Anila Lawrence	I <sup>st</sup> MSc chemistry	St. Mary's College TCR	Anila
106	Seena chakko	I <sup>st</sup> MSc chemistry	St. Mary's College TCR	Seena
107	Snella Dominic	I <sup>st</sup> MSc chemistry	St. Mary's College TCR	Snella

Sl. No.	Name	Designation	College / University	Signature
108	ROSEMARY THOMAS	III <sup>rd</sup> SEM MSc PHYSICS	CHRIST COLLEGE 13K	Rosemary
109	Sreeja. P	I <sup>st</sup> M-sc chemistry	St. Mary's College TCR	Sreeja
110	Riya ANTONY	3 <sup>rd</sup> Sem M-sc Physics	Christ College, IJK	Riya
111	Catherine T.S.	"	"	Catherine
112	RINI. K. F	"	"	Rini
113	Jozy. E. Johnson	"	"	Jozy
114	Salini. V. S	"	"	Salini
115	Payalakshmy. M.	"	"	Payalakshmy
116	Anju. K. V	I <sup>st</sup> Sem MSc chemistry	St. Mary's College	Anju
117	HARITHA JOHNS	"	"	Haritha
118	Delphy. T. D	III <sup>rd</sup> sem msc physics	Christ college 13K	Delphy
119	VINTHA. N	"	"	Vintha



Sl. No.	Name	Designation	College / University	Signature
120	ROOPA - M.S.	M.Sc. III <sup>rd</sup> sem Student - Chemistry	CHRIST COLLEGE, ITK	
121	RESHMI K.	"	"	
122	LAKSHMI M.S	"	"	
123	Betna Shamlin Simethly	B.Sc. II <sup>nd</sup> Chemistry Sem Student	"	
124	Harsha . E	"	"	
125	Neha Murali E	"	"	
126	Krishnapriya . K. M	"	"	
127	Navya Varghese	"	"	
128	Nessy Sani	"	"	
129	Priya Paul	"	"	
130	Revathy k. s	"	"	
131	Sruthi K Velayudhan	"	"	