# Report of the National Seminar on Emerging Trends in Polymeric Materials held at Christian College on 24<sup>th</sup> and 25h of January 2015

The national seminar organised by the Department of Chemistry was inaugurated by the Manager of the College Rt. Rev. Zacharias Mar Theophilos Saffragan Metropolitan who appreciated the department for organizing a seminar that would prove useful to the scientifc fraternity in this region. The seminar was organized in collaboration with the Thiruvananthapuram chapter of Society for Polymer Sceince India (SPSI) and Academy of Chemistry Teachers (ACT) with financial support from University Grants Commission (UGC) and Kerala State Council for Science Technology and Environment (KSCSTE). Dr. V.N. Rajasekhran Pillai, Executive Vice President of KSCSTE and Ex-Officio Principal Secretary to the Govt. of Kerala delivered the key note during the session in which he empahsised the role of basic science in general and specialities like polymers, materials which offered innumerable opportunities for the students in the field.



The plenary session after tea break was led by Dr. K.L Sebastian, Professor, Indian Institute of Science Bangalore and Bhatnagar awardee (1997). He spoke on length about Problems in Polymer dynamics a topic of great significance in biological processes. The plenary session was followed by an invited talk on Hydrogel sealed Vascular Prosthesis by Dr. Roy Joseph, Scientist G at SCTIMST. After lunch the plenary talk of Prof K.L Sebastian continued. There were five oral presentations on the same day. The second day of the seminar began with oral presentations by researchers followed by plenary and invited talks. Prof. Sabu Thomas of Mahatma Gandhi University delivered a plenary lecture on the recent advances in polymer nanocomposites while Prof. Kuruvilla Joseph of the Indian Institute of Space Technology educated the audience on high performance polymer nanocomposites for space applications. The invited lectures by KS Santhosh Kumar (Scientist, VSSC) on shape memory polymers and R S Rajeev (Scientist, VSSC) on nanotechnology in space scenario led the audience further to real time applications of polymer science from the practising scientists. The day also witnessed another 6 oral presentations.

The poster sessions were held on both days 10-15 min before and after the lunch sessions on both days. Awards were given to the best oral and poster presentations.

On the whole the seminar proved to enlighten the students and researchers on the importance and applications of polymer materials and world of opportunities. It also paved the way for the research community to hear and interact with pioneers in the field.



Supported by UGC & KSCSTE

Organized by



Department of Chemistry Christian College, Chengannur

PROCEEDINGS

#### Report on

#### ADMAC I- National Seminar on Advances in Materials Chemistry

#### 15th-17th October 2014

The seminar provided a platform for students and faculty of different institutions to come to a common platform and exchange their ideas. The presence of faculty members from prestigious institutes and industry and their interaction with the faculty as well as higher authorities of the college has immensely benefitted in terms of new methodologies and innovative ideas. The faculty had an excellent opportunity to update their knowledge and learn about new arenas in the field of materials chemistry from exponents in the field. Students were the ones who were greatly benefitted from the event. They were exposed to the exciting areas of research and technological events taking place in higher institutes of learning, research and industry which has profoundly changed their outlook. They had a free interaction with students and researchers from other institutions which they claim to have freshened them up. Further, they had a handson experience in the organizing and conduct of a national event which seems to have boosted their confidence. Having persons with several years of industrial experience to interact with the audience gave an idea on how basic research and industrial research differs and agrees. It also helped in understanding the application of technology and science in industry. The papers presented in the seminar were published in the Proceeding with ISBN number.



# ADMAC I

National Seminar on Advances in Materials Chemistry

15th -17th October 2014

ISBN 978-93-5196-302-8

Sponsored by
The University Grants Commission, New Delhi &
Kerala State Council for Science Technology and Environment

Organized by



Department of Chemistry Christian College, Chengannur (NAAC Reaccredited A Grade Institution) Kerala-689122, India

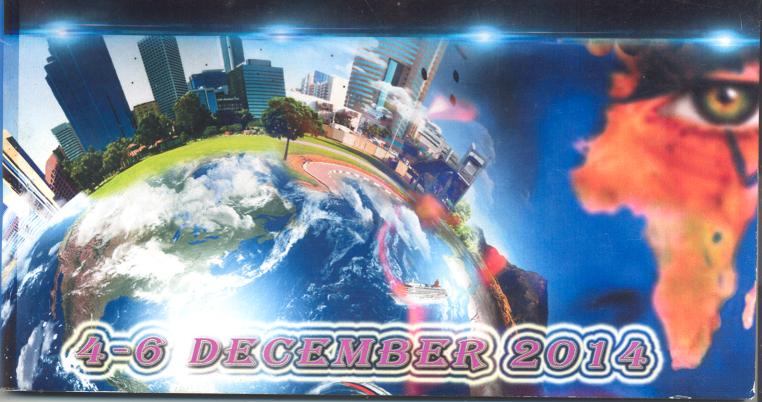
# THE POSTGRADUATE DEPARTMENT OF ENGLISH CHRISTIAN COLLEGE, CHENGANNUR

(Re- Accredited with 'A' Grade by NAAC)



UGC SPONSORED NATIONAL SEMINAR

PARTING AND RECASTING THE PRINTS OF GLOBALISATION



## Re-inventing and Recasting the Praxis of Globalization

## **Proceedings of the UGC Sponsored National Seminar**

Edited by

Anej Somaraj Shalini Rachel Varghese

Post graduate Department of English, Christian College,
Chengannur, Kerala

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# **ICSBAM 2017**



# International Conference on Spectroscopy of Biomolecules and Advanced Materials

Organized by

# Christian College Chengannur

A post graduate & Research Educational Institution of the Malankara Mar Thoma Syrian Chruch

Affiliated to
University of Kerala
Reaccredited with A grade by NAAC
A College with DST FIST & KSCSTE SARD Sponsorship

### Hosted by

Post Graduate & Research Department of Physics Post Graduate Department of Chemistry Post Graduate Department of Zoology

October 04-07, 2017

# PROCEEDINGS

Sponsored by

KERALA STATE COUNCIL FOR SCIENCE TECHNOLOGY AND ENVIRONMENT, KERALA SERB-DEPARTMENT OF SCIENCE AND TECHNOLOGY, NEW DELHI BOARD OF RESEARCH IN NUCLEAR SCIENCES, MUMBAI COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, NEW DELHI DEFENCE RESEARCH AND DEVELOPMENT ORGANIZATION, NEW DELHI

INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI ASIAN JOURNAL OF PHYSICS ASIAN CHEMISTRY LETTERS OPTICAL SOCIETY OF INDIA

#### INTERNATIONAL CONFERENCE ON SPECTROSCOPY OF BIOMOLECULES AND ADVANCED MATERIALS (ICSBAM 2017)

The International Conference on Spectroscopy of Biomolecules and Advanced Materials (ICSBAM 2017) was organized by the Christian College, Chengannur (Hosted by the Departments of Physics, Chemistry and Zoology, Christian College, Chengannur) during 04-07 October, 2017 at Haveli Backwaters, Alappuzha . Spectroscopy has become a highly interdisciplinary scientific tool. The ICSBAM 2017 provides a global platform for the research community to meet, discuss and share the latest advances in in the field of spectroscopy with a large number of internationally reputed spectroscopists.

Prof. Wolfgang Kiefer, Wurzburg, Germany, the **former** Editor-in-Chief, Journal of Raman spectroscopy was the Honarary Chairman of the International Organizing Committee for the programme. The executive committee was chaired by Dr. Achamma Alex, Principal, Christian College, Chengannur. Dr.Sunila Abraham, Head of the Department of Physics, Christian College, Chengannur and Dr.I.Hubert Joe, Department of Physics,Mar Ivanios College, Trivandrum are the executive committee conveners. Prof. V. K. Rastogi, The Editor-in- Chief, The Asian Journal of Physics and Asian Journal of Chemistry, former Professor, Dean, CCS University, Meerut was the Organizing Secretary . Dr. A. Abraham was the coordinator of ICSBAM 2017.Dr.Sophia K. Philip, Dr. Johnson Baby, Dr. Ligi Cherian, Dr Desy P. Koruth and Prof. E. Daniel were the co-convenors of various committees.All members of the Science Faculty served as members of the Local Organizing Committee

.More than 250 delegates including about 32 international scientists from Germany, Uk, Argentina,France,Spain, Portugal, Japan and Korea attended the conference. More than 200 research papers were presented at the conference by various researchers from all around the world.

#### **Inaugural Ceremony**

The Inaugural ceremony of the International conference was held at Haveli Backwaters, Alappuzha on 04th October 2017 at 03:00 PM and the function was presided over by His Excellency Rt. Rev. Dr. Joseph Marthoma Metropolitan, Manager , Christian College, Chengannur , Dr. Achamma Alex, Principal, Christian College welcomed the guests and participants. Honourable Deputy Speaker , Rajyasabha, Prof.. P. J. Kurien Inaugurated the conference and released the copy of the proceedings of the conference. Prof. Dr. Wolfgang Kiefer, Honarary Chairman, ICSBAM 2017 offered felicitation to the event. Prof. V. K. Rastogi, Organizing secretary, ICSBAM, 2017 presented the theme of the conference. At the end, Dr.Sunila Abraham, Convener, ICSBAM 2017 proposed the vote of thanks.

The keynote address was offered by Prof. Dr. Wolfgang Kiefer, Institute for Physical and Theoretical Chemistry, University of Würzburg, Germany, the former Editor-in-Chief, Journal of Raman spectroscopy. His lecture was based on the new trends in Archeological and medical applications of Raman spectroscopy. "Femto Raman at University and Colour Raman at Homelab". It was followed by a Plenary lecture by Dr. A. Ajayaghosh, FASc.; FNASc. FNA. (2012 Infosys Laureate), Director, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), (Formerly RRL), Trivandrum.

Finally, all delegates were enjoyed the cultural fest by our college students and Kathakali by expert troops as part of this conference in the evening at 5.30pm on 6<sup>th</sup> October 2017.

The valedictory function was held, at 1.00 PM, on 7th October 2017. Honourable Minister of Kerala, Advocate Mathew T. Thomas had felicitated and distributed the Dayawati Rastogi awards for two invited lectures, two oral presentations and three poster presentations. During the function many participants expressed their feedback. All of them appreciated the organizers for their unity and combined effort to make the conference truly international for its grand success We acknowledge the receipt of financial support from KSCSTE, DST –SERB, CSIR, BRNS, DRDO and INSA.



# Department of History Christian College, Chengannur

Department of History expresses its gratitude to Mr.Ajin.S, DC 1 History for contributing the following items to the Department Museum.

#### Items

- 1. Bamboo Basket
- 2. "Thaliyola"
- 3. Wooden spoon

5/1/2017

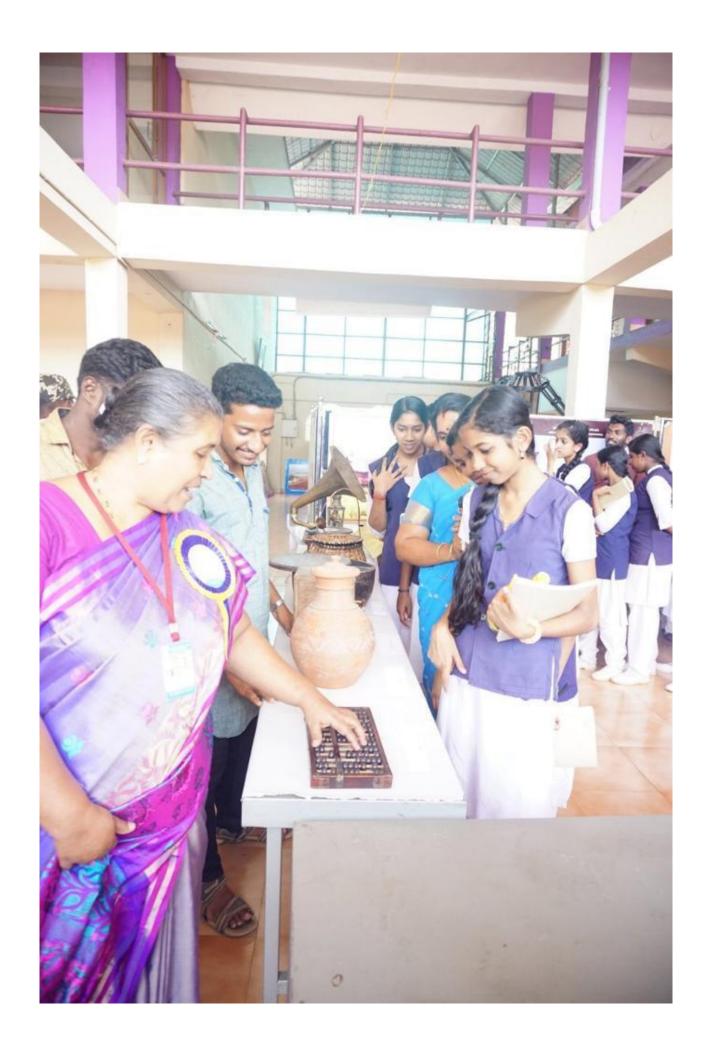
Chengannur



Head of the Department Department of History

KOSHY MATHAI
ASSISTANT PROFESSOR & HOD
DEPARTMENT OF HISTORY
CHRISTIAN COLLEGE, CHENGANNUR















## CHRISTIAN COLLEGE CHENGANNUR

(Affiliated to University of Kerala)

NAAC reaccredited "A" grade College (DST FIST & KSCSTE SARD Sponsored)

Angadickal South P.O., Chengannur-689122, Kerala, India https://christiancollege.ac.in Ph: 04792452275

One day workshop on

# 'Intellectual Property Rights: Issues and Challenges'

Jointly Organized by

Patent Information Centre-Kerala, KSCSTE & Christian College, Chengannur



On 28 JULY 2018

Venue: Convention Center, Christian College, Chengannur



Founded in the year 1964, Christian College, Chengannur is a Government Aided NAAC Reaccredited "A" grade college affiliatted to the University of Kerala. Christian college towers high as a center of learning and research on a pulchritude hilltop. The college understands the importance of teaching IP while preparing graduates to be productive citizens of the innovation economy. Given the importance of IP in today's global economy, Christian College, Chengannur is hosting a one day workshop christened 'Intellectual Property Rights: Issues and Challenges' sponsored by Kerala State Council for Science Technology and Environment on 28 July 2018 aimed at generating awareness on different aspects of intellectual property for the student community and faculty. We cordially invite post graduate students, research scholars and Faculty members from the Industry in this professional development activity.

<b>Programme</b>	28 July 2018
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09.30-10.00	Registration
10.00-10.30	Inauguration
	Hon 'ble MP Shri, Kodikunnil Suresh
	Felicitation Shri. Jogi Cherian, College Treasurer
10.30-10.45	High tea
10.45-12.15	Overview of Intellectual Property Rights
	Dr. Jippu Jacob, Professor & Coordinator IPR cell, KSCST
	Amal Jyothi College of Engineering, Kanjirapally
12.15-13.00	Patent searching procedures and support from
	PIC -Kerala for IPR protection
	Shri. Arun Alfred, Project-Scientist, PIC-Kerala
13.00-14.00	Lunch
14.00-15.30	Patenting system and patent filing Procedures
	Shri. Ajith .M , Deputy controller of Patents & Designs
	Patent office, Chennai
15.30-16.00	Closing Ceremony & Tea

Dr. R. Jayakrishnan Coordinator

Ph: 9447242210

Workshop Executive: IQAC Research & Extension committee Christian College Chengannur Dr. Achamma Alex Principal

#### Report of One day workshop on Intellectual Property Rights

- 1. Title of the Programme: INTELLECTUAL PROPERTY RIGHTS: ISSUES AND CHALLENGES
- 2. Name of the Institution/Department/Organization: Christian College Chengannur
- 3. Name and Address of the Head of the Institution/: Dr. Achamma Alex, The Principal Department/ Organization

Christian College Chengannur Angadickal South P.O. Chengannur-689122

4. Name and Designation of the Co-ordinator Organising the programme

: Dr. R. Jayakrishnan **Assistant Professor** 

5. Contact Address of the Co-ordinator with Email Id & Mobile No:

> Dr. R. Jayakrishnan Department of Physics Christian College Chengannur Angadickal South P.O. Chengannur-689122 Ph: 919447242210

Email: krnjkg@gmail.com

6. Collaborating Institutions/Organisations:

NA

- 7. Objectives of the Programme:
  - Create awareness about Intellectual Property Rights
  - ➤ Increase the intellectual property output through awareness generation.
  - > Create awareness on the following aspects of IPR Indian Patent System, Patent searching and filing procedures.
  - ➤ Be a platform where experts, academicians, delegates as well as people at large interact and exchange their ideas and knowledge pertaining to the emerging issues and challenges in the field of IPR.

#### Final Report- INTELLECTUAL PROPERTY RIGHTS: ISSUES AND CHALLENGES

- 8. Subject areas covered during the workshop:
  - ➤ "Intellectual Creation Cycle (creation protection exploitation)
  - > Patents, Copyrights, Trademarks, Designs and Geographical Indications
  - Case study of patent on Coconut Husking Tool
  - ➤ Patent Searching procedures and Support from PIC Kerala for IPR protection
- 9. Duration of the Programme:

One day

10. Date of the Programme:

28<sup>th</sup> July 2018

11. Venue for the Programme:

**Convention Centre** 

Christian College, Chengannur

- 12. Category of Participants:
  - a. Graduate
  - (1) B. Tech: 3
  - (2) B.A / B.Sc: 1
  - **b. Post Graduate Students:**
  - (1) M.A/ M.Sc.:39
  - (2) LLM: 1
  - c. M. Phil / Ph. D. Research Scholars: 9
  - d. School Teachers: 1
  - e. College Faculty: 50
  - f. Interested stakeholders: 3
- 13. Proceedings of the workshop

A one day workshop on 'Intellectual Property Rights: Issues and Challenges' sponsored by Kerala State Council for Science, Technology and Environment was held at Christian College Chengannur on 28<sup>th</sup> July 2018.

The workshop was jointly organized by Patent Information Center, KSCSTE and Christian College Chengannur. The inaugural session commenced at 10:00 am with the arrival of Honourable Member of Parliament Shri. Kodikunnil Suresh. Dr. R. Jayakrishnan, Coordinator of the workshop delivered the welcome address. Dr. Acahmma Alex presided over the inaugural function and delivered the presidential address. Shri. Kodikunnil Suresh inaugurated the workshop by lighting the lamp. He appreciated Christian College chengannur which was one among the leading the Arts & Science College in central Travancore for taking the initiative in organizing the event. He said that the common man has to be educated on the importance of Intellectual property rights and the means of making it, a source of his livelihood. He stressed on the importance of teaching Intellectual property when preparing graduates to be productive citizens of the innovation economy. He also said that given the importance of IP in today's global economy, IP ownership and management needs to be given more emphasis in our University education system. Shri. Jogi Cherian, Treasurer of the College delivered the felicitation speech and appreciated the Honb'le MP's effort in attending the event in spite of the hectic schedules due to the flash flood in the district. Dr. Desy P Koruth, delivered the vote of thanks at the inaugural ceremony.

The first session was engaged by Dr. Jippu Jacob, former Dean of the Kerala Agricultural University, and the inventor of the Coconut husking tool common to our homes today presented a case study of the patent taken by him on this tool. According to him in 1995 when he took a patent for the Coconut husking tool the manufacturing cost was Rs. 30/- and there were 50 lakh households in Kerala that depended on coconut husking. Today the tool is made in local workshops and sold for over Rs.150/-. He said he was poor man as he did not pursue the legal aspects of patent infringement and was happy that his tool is serving the common man. He cherishes the comment "What was once a man's job now has become a woman's job in the kitchen" made by a lady for his invention.

#### Final Report-INTELLECTUAL PROPERTY RIGHTS: ISSUES AND CHALLENGES

Shri. Arun Alfred, Scientist, Patent Information Center, KSCSTE, Government of Kerala engaged the second session. He explained various schemes of the state government which were aimed at promoting a culture of patenting and proving Intellectual property rights. All of the participants were provided free registration and refreshments during the workshop. The morning session came to an end at 13:15 pm.

The afternoon session commenced at 14:00 pm with Dr. Jippu Jacob volunteering to take a session on Intellectual Creation Cycle. The short session was one liked by all of the participants as it contained a number of case studies which were intriguing.

The fourth session was engaged by Shri. Ajith M, Deputy Controller of Patents & Designs, Patent Office, Chennai who explained the Patenting System and Patent filing procedures as per the norms of the Government of India. He commented that there were two schools of thought in leading research and educational institutes of India. One set of academicians were liberals who researched, published and spread knowledge. The academicians who wanted to make it sure that the cost and effort put into research were to be reaped with bonus pursed the practice of patenting. He said that the common Indian was averse to taking patents and this was not good for the Indian economy. He also said that some of the best patent tools that have come to his office have been from common people who have had no formal education. He said that today for an individual to file for a patent the fee is only Rs. 1250/- and varies for colleges, research institutes, Universities and industries. The session came to an end at 15:45 pm.

The closing ceremony was chaired by Dr. Jippu Jacob and Shri. Ajith M. The participants were asked to provide a feedback on the day's activities. All of the participants were positive. A concern raised by some of the participants was the speed of the sessions II and sessions III. Shri. Ajith M. who had travelled all the way from Chennai was delayed due to the flood in the Allapuzha region and had a late start to his session. The coordinator responded by cutting short the time allotted for the closing ceremony in order to accommodate the delay. Shri. Ajith M. was provided with ample time and plenty of discussions took place during this session. One student who came up for providing the feedback commented that the workshop has made him realise that taking a patent was not a herculean task as he had thought off before the start of the workshop. The valedictory remarks were delivered by Dr. R. Jayakrishnan. The closing ceremony was followed with a High tea.

#### 14. Analysis of Feedback forms

> What do you think about the structure and organization of the seminar, to meet the objectives?

Very well structured	Well structured	Somewhat structured	Very unstructured
4	3	2	1
37	26	2	-

➤ How effectively the sessions were delivered in the programme?

Technical session	4	3	2	1
SESSION 1 on "Overview on Intellectual Property rights"	41	23	1	-
SESSION 2  On "Patent Searching procedures abd support from PIC – Kerala for IPR protection	29	28	7	-
SESSION 3  Patent system and Patent filing procedures	38	25	1	-

➤ How useful you think will be this knowledge to you in future?

Very useful	Useful	Limited use	Not useful
4	3	2	1
35	26	1	-

> Assessment about the resource persons.

Excellent	Very good	Average	Very poor
4	3	2	1
27	32	1	-

#### Overall impression about the programme

Excellent	Very good	Average	Very poor	
4	3	2	1	
23	33	6	-	

#### 15. News paper clipping:

To generate awareness among the public the information regarding the one day workshop was published in local newspapers on the day of the workshop.

Mathrubhumi: 28/07/2018



Kerala Kaumady: 28/07/2018



News regarding the one day workshop was published in the leading dailies like The Hindu and Kerala Kaumady subsequent to the event.

Kerala Kaumady: 2 August 2018 The Hindu: 2 August 2018



## Workshop on IPR held Christian College

SPECIAL CORRESPONDENT PATHANAMTHITTA

A workshop on 'Intellectual Property Rights: Issues and Challenges', sponsored by the Kerala State Council for Science, Technology and Environment, was held at Christian College in Chengannur on Wednesday.

The workshop was jointly organised by the Patent Information Centre, KSCSTE, and Christian College.

Kodikunnil Suresh, MP, inaugurated the workshop.

Mr. Suresh said the common man had to be properly educated on the importance of intellectual property rights and the means of making it a source of his livelihood.

Jippu Jacob, former Dean of the Kerala Agricultural University and inventor of the coconut husking tool, presented a case study of the patent taken by him on this

He said when he took a patent for the coconut husking tool in 1995, the manufacturing cost was ₹30 and there were 50 lakh households in Kerala that depended on coconut husking. Today the tool was made in local workshops and sold for over ₹150. Dr Jacob said he did not pursue the legal aspects of patent infringement and was happy that his tool

served the common man.
Ajith.M, Deputy Controller of Patents and Designs, Patent Office, Chennai, explained the patenting system and patent filing procedures.

Arun Alfred, scientist at Patent Information Centre attached to the KSCSTE, explained various schemes of the State government aimed at promoting a culture of pa-tenting and proving intellectual property rights.

Achamma Alex, college Principal, presided over the inaugural function and R. Jayakrishnan, coordinated the programme.