

# **Research Methodology: Practices and Updates**

January 2017

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*Report of the*  
**KSCSTE-WSD Sponsored  
Two Day Workshop on  
Research Methodology: Practices and Updates  
20-21 January 2017**

**Organized by**

**Internal Quality Assurance Cell  
&  
Department of Physics**

**MES College, Marampally  
Marampally P. O.,  
North Vazhakulam  
Aluva - 683 107, Kerala**

**Submitted to**

**The Kerala State Council for Science Technology and  
Environment**

## **Preface**

The insemination of the two day workshop on Research Methodology: Practices and Updated was on the background of increase in the Ph D holders in the recent years. But the Gross Enrolment Ratio is still at a very low level –less than 1 %. The objective of the workshop was to raise the overall research output and research quality of the researchers and academicians.

The workshop was organized to equip the research scholars and faculty members with set of skills and potentiality to undertake the research very effectively and turn them into publishable material along with bringing in more research grants to the college. It was with immense privilege and honour the IQAC and Physics department of the college conducted the two day workshop. The workshop was attended by nearly hundred participants from University departments, faculty members from nearby colleges including the faculty members from the host institution. The organizers place its gratitude to KSCSTE women scientist division for the financial support to the programme.

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**KSCSTE (WSD) sponsored Two Day Workshop on  
 “Research Methodology- Practices and Updates”  
 Organized by: IQAC and Dept. of Physics  
 (January 20-21, 2017)**

**PROGRAMME SCHEDULE for INAUGURAL SESSION**

**Venue: Conference Hall**

**Date: 20.01.2017**

Prayer

Welcome Speech : Dr. Manzur Ali P P  
 IQAC Coordinator

Presidential Address : Dr. A Biju,  
 Principal

Inaugural Address : Dr. Sreejith P.S.,  
 Professor and Dean of Faculty of Engineering  
 School of Engineering  
 CUSAT

Keynote Address : Dr. K A Zakkariya,  
 Secretary & Correspondent  
 College Managing Committee

Félicitation : Dr.Sopna V Muhammed  
 Associate Professor & Head,  
 Dept. Of Business Administration

Vote of Thanks : Smt. Gincy Varghese,  
 Head, Dept. of Physics

	<b>Time</b>	<b>Keynote speaker</b>	<b>Topic</b>
<b>SESSION I</b>	10.45- 12.30pm	Dr. A A Mohamed Hatha, Professor, Department of Marine Biology, Microbiology & Biochemistry School of Marine Sciences, CUSAT	Scholarly Communication
	12.30-2.00 pm	<b>Lunch Break</b>	
<b>SESSION II</b>	2.00-4.00 pm	Dr. Dineshan Koovakkai Assistant Librarian, Calicut University	e-Resources

**DAY II – 21<sup>st</sup> January 2017**

<b>SESSION III</b>	9.30-11.15am	Dr. Jos T Puthur, Associate Professor, Department of Botany University of Calicut	Preparation of proposals for Research Grants
	11.15-11.30am	<b>Tea Break</b>	
<b>SESSION IV</b>	11.30- 1.00pm	R S Praveen Raj Senior Scientist CSIR- NIIST Thiruvananthapuram	Intellectual Property Rights
	01:00-2.00 pm	<b>Lunch Break</b>	
<b>SESSION V</b>	2.00-3.30 pm	Dr. Sreejesh S Assistant Professor School of Management Studies CUSAT	Statistical Softwares
	<b>3.30-4.00 pm</b>	<b>Valedictory function</b>	

Welcome Speech : Smt. Leena C Sekhar,  
IQAC Joint Coordinator

Presidential Address : Dr. A Biju,  
Principal

Address by Chairman : Mr. M A Muhammed,  
Chairman, College Managing Committee

Feedback from the Participants

Distribution of Certificates

Vote of Thanks : Mr. Sam Kollannore U, Asst. Professor  
Dept. of Electronics

## Inaugural session

at 10:00 a.m. on 20 January, 2017

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Inaugural session of the Two Day Workshop began at 10:00 a.m. with *prayer*. The *Welcome address* was delivered by Dr. Manzur Ali P.P. Dr. A. Biju, Principal of the College *presided* the session. He began by stating it is important for faculty members to dedicate a portion of their time for research. Research in modern times plays bigger role in faculty evaluations also which actually puts pressure on academicians to engage in some form of intellectual inquiry. The formal *inauguration* of the workshop was done by Dr. Sreejith P.S. (Dean, SOE, CUSAT). The Chief guest stressed on the importance of adhering to research ethics and upholding quality in research. He observed that more than ever before, the quality of research is gaining significance. In the context of the publication of UGC recognized journals pertaining to career advancement and entry level strategies for faculty members in colleges and universities, he remarked that the administrative bodies like the UGC is also increasingly emphasizing on quality and standards in research. The keynote speaker was Dr. K.A. Zakkariyya. It was followed by felicitation by Dr. Sopna V.Mohamed, Staff Secretary and Head of the Department of Physics. Ms. Gincy Varghese proposed the vote of thanks.



Inaugural speech by Dr. Sreejith P.S. (Dean, SOE) Cochin University of Science and Technology

Day 1 (20<sup>th</sup> January, 2017 at 10:45 A.M. – 12:30 P.M.)

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### **Technical Session I: Scholarly Communication**

Dr. A A Mohamed Hatha,

*Professor, Department of Marine Biology, Microbiology & Biochemistry School of Marine Sciences, CUSAT*

The Technical Session I was handled by Dr. A A Mohamed Hatha, *Professor, Department of Marine Biology, Microbiology & Biochemistry School of Marine Sciences, CUSAT*. His session was on Scholarly communication. He explained the concept of scientific writing for introducing the topic to the participants. Research work is incomplete unless the results are disseminated to the wider community. He observed that publishing is important for the author, his organization, his colleagues and for funding body. He explained how to publish and shared his personal experiences in scholarly writing using some anecdotes. He concluded by a demonstration on various heads of research publication and methods in which one can make it attractive to the editors and publishers.



Dr. A A Mohamed Hatha, *Professor, School of Marine Sciences, CUSAT* speaks on Scholarly communication

**Technical Session II: E-Resources**

Dr. Dineshan Koovakkai

*Assistant Librarian, Calicut University*

The core purpose of an academic library is to serve the needs not only of today's users but also tomorrow's. It follows that the library must have an enduring collection of resources that is accessible and meaningful to both current and future scholars. In this regard e- resources have a very important role to play. Today e-resources are inevitable part for an academician/ researcher. Whatever information is available in any part of the world, no matter how old they are, is accessible to the community at their finger tip. Dr. Dineshan Koovakkai, Assistant Librarian of Calicut University explained various digital databases available for research and value addition for teaching and learning. Besides he also demonstrated the data collection on an online basis which was very beneficial for the research scholars and teachers.



Dr. Dineshan Koovakkai, *Assistant Librarian of Calicut University* speaks on E-Resources



**Technical Session III: Preparation of proposals for Research Grants**

Dr. Jos T Puthur,

*Associate Professor, Department of Botany*

Technical Session on Day II began with Dr. Jos T Puthur, Associate Professor, Department of Botany, Calicut University on Preparation of proposals for Research Grants. He commenced with the importance of research grants for academicians. He observed that it was important as part of nation building with meaningful research, in terms of fostering human resource and career advancement. During his session he elucidated various aspects of teacher evaluation and then the various funding agencies, strategies that can be adopted for submission of an acceptable research proposal etc. He introduced various agencies under different disciplines that can be approached for research funding, methodology of proposal preparation and assessment of the same.



Dr. Jos T Puthur, *Associate Professor, Department of Botany, Calicut University* speaks on Preparation of proposals for Research Grants

Day 2 (21<sup>st</sup> January, 2017 at 11:30 A.M. – 01:00 P.M.)

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#### **Technical Session IV: Intellectual Property Rights**

R S Praveen Raj

*Senior Scientist, CSIR- NIIST, Thiruvananthapuram*

R S Praveen Raj, Senior Scientist, CSIR- NIIST, Thiruvananthapuram was the resource person for Technical session IV. He explained about patent filing, how it operates in India, where the application has to be send to, the examination procedure etc. He also gave the format for application for a patent. He demonstrated the whole idea using examples.



R S Praveen Raj, Senior Scientist, NIIST, Thiruvananthapuram speaks on **IPR**

Day 2 (21<sup>st</sup> January, 2017 at 02:00 P.M. – 03:30 P.M.)

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#### **Technical Session V: Research and Publication Strategies**

Dr. Sreejesh S

*Assistant Professor, School of Management Studies, CUSAT*

The last session was on 'Research and Publication Strategies Session' by Dr. S. Sreejesh, Assistant Professor, School of Management Studies, CUSAT. He explained about strategies that one has to adopt in publishing in scholarly journals. He explained about Scopus, citations and the importance of publishing in indexed journals. He introduced

about various platforms available for publication for various disciplines and how to write articles for highly rated journals.



Dr. S. Sreejesh, Assistant Professor, School of Management Studies, CUSAT speaks on Publication Strategies and statistical tools



Participants of the Two day workshop on Research Methodology: Practices and Updates

Day 2 (21<sup>st</sup> January, 2017 at 03:30 P.M. – 04:00 P.M.)

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### **Valedictory Session and Report Presentation**

The valedictory session of the two day workshop began at 3:30 p.m. The welcome speech was delivered by Ms. Leena Shekhar and presided by Dr.A.Biju, Principal. The report was presented by Ms. Farzana S.Hussain and the Vote of thanks delivered by Mr. Sam Kollannore. He expressed his gratitude to all the experts, delegates and colleagues for making this programme a success.



Valedictory Session of Two day workshop on Research Methodology: Practices and Updates

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## Annexure I

### For Details Contact

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Head, Dept. of Physics  
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KSCSTE (WSD)

"Research methodology-  
Practices and Updates"

TWO DAY  
WORKSHOP

**MES College**  
Marampally, Aluva

20 & 21 January 2017

### Organizing Committee

<b>Dr. A. Biju</b> Principal	<b>Sri. Sam Kollannore U.</b> Assistant Professor
<b>Smt. Leena C. Sekhar</b> IQAC Joint Coordinator	<b>Smt. Farzana S. Hussain</b> Assistant Professor
<b>Dr. Bindu Jamal</b> Associate Professor	<b>Smt. Resiya Karim</b> Staff Coordinator, SQC
<b>Smt. Jaseena K.U.</b> Assistant Professor	<b>Mr. Muhammed Aaqib J.J.</b> Student Coordinator, SQC



KSCSTE (WSD)

Internal Quality Assurance Cell (IQAC) &  
Department of Physics

Research ensures the development of qualitative growth in career and helps in acquiring deep insight in the subject/domain. The academia has witnessed an increase in PhD holders in recent years with the support and initiatives of University Grants Commission, Govt. of India. Institutions across the country is giving due emphasis on research to increase the Gross Enrolment Ratio of PhD which is presently less than 1%. The idea of teaching and research are challenging, though it shares some mutually exclusive similarities.

The academia is often facing research stagnancy due to the lack of exposure to latest tools and techniques in research. The major objectives of the workshop is to provide a platform for discussion on the methodological requirements of research and to simulate and capture new approaches; to build the capacity of participants on operational research methods and design, technical writing, plagiarism and on preparing proposals for research grants.



Dear Sir/Madam

Internal Quality Assurance Cell (IQAC) and Department of Physics, MES College Marampally is organizing a two day workshop on "Research Methodology - Practices and Updates" on 20 & 21 January 2017. We invite the participation of faculty members and research scholars of your department.

**Dr. A. Biju**  
Principal

**Dr. Manzur Ali P.P.**  
IQAC Coordinator

**Mrs. Gincy Varghese**  
Head, Dept. of Physics

### RESOURCE PERSONS

**Dr. A.A. Mohamed Hatha**  
Professor, Dept. of Marine Biology,  
Microbiology & Biochemistry  
School of Marine Sciences  
CUSAT

**Dr. Jos T. Puthur**  
Associate Professor  
Department of Botany  
University of Calicut

**R.S. Praveen Raj**  
Senior Scientist  
(Former Patent officer  
Govt. of India)  
CSIR-NIIST, Thiruvananthapuram

**Dr. Dineshan Koovakkai**  
Assistant Librarian  
Calicut University

**Dr. Sreejesh S.**  
Assistant Professor  
School of Management Studies  
CUSAT

### Topics to be covered

- Scholarly Communication
- Research methodology and Design
- Preparation and Styling of Manuscript
- Plagiarism check Tools
- Preparation of Proposals for research grants
- Statistical Softwares
- e-Resources
- Intellectual Property Rights

### Registration

- Teachers and research scholars are encouraged to participate in the workshop.
- Workshop kit, lunch and tea will be provided.
- Kindly ensure your participation well in advance as the seats are limited.
- **No registration fee.**

## Annexure II

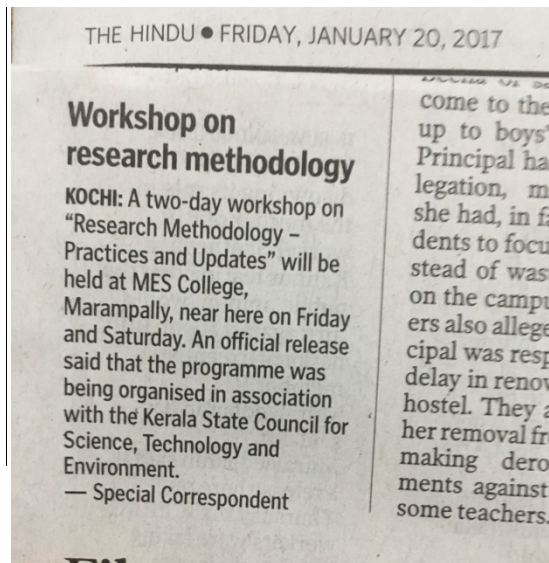


Sreejith P S, dean, School of Engineering, Cusat, speaking after inaugurating the two-day workshop on 'Research Methodology and updates', organised by IQAC and Department of Physics, MES College, Marampally, in association with KSCSTE.



Wed, 25 January 2017

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