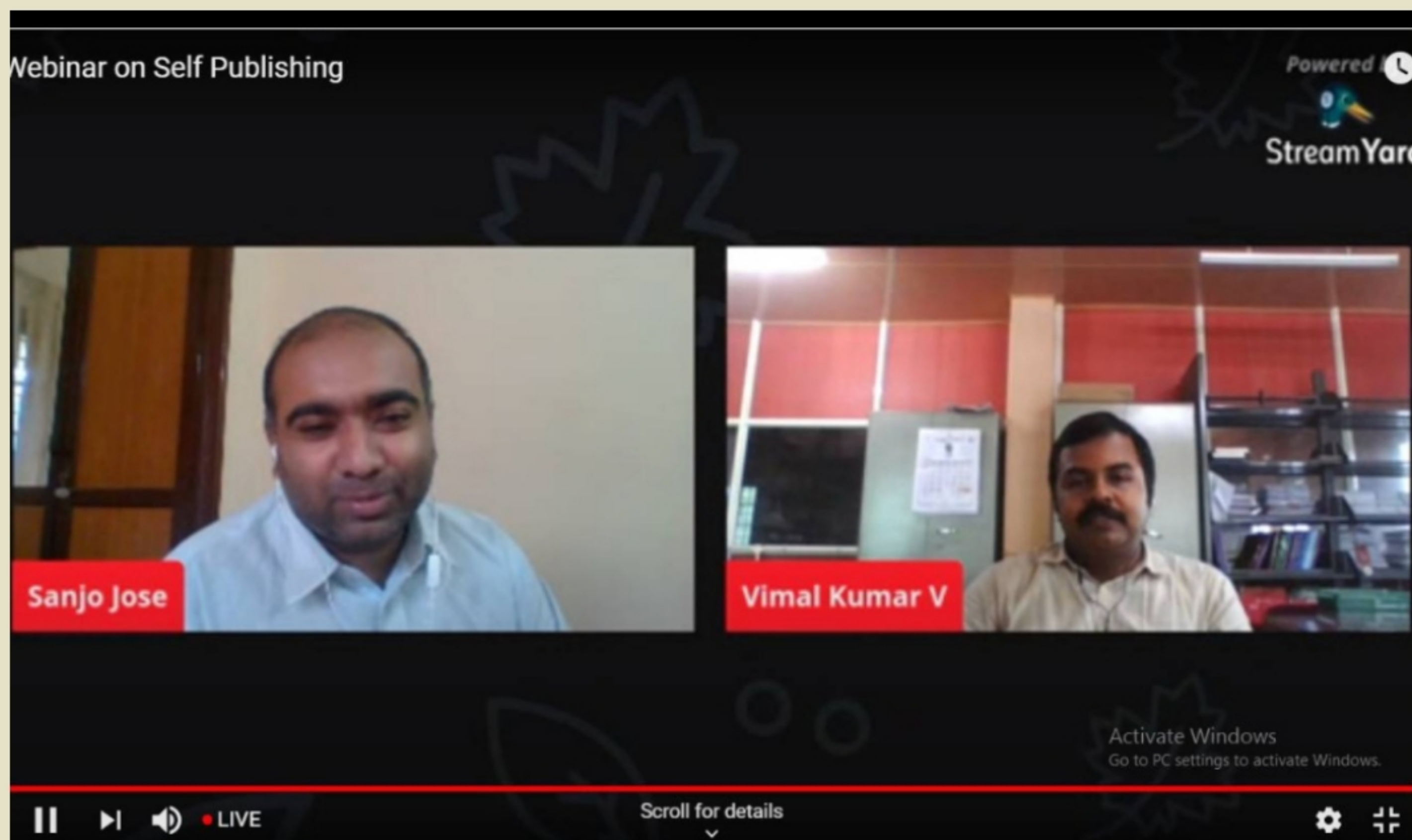


19 JUNE 2020

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## ST THOMAS' COLLEGE (AUTONOMOUS), THRISSUR NEWSLETTER

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DEPARTMENT OF LIBRARY AND INFORMATION STUDIES OF OUR COLLEGE CONDUCTED A WEBINAR TODAY ON SELF PUBLISHING. SHRI.VIMAL KUMAR V, MG UNIVERSITY, KOTTAYAM WAS THE RESOURCE PERSON.



सेंट थॉमस कॉलेज (स्वायत्त), तृशूर  
हिन्दी विभाग  
**ST. THOMAS COLLEGE (AUTONOMOUS), THRISSUR**  
Department of Hindi  
Is Organizing  
**National Webinar**  
राष्ट्रीय वेबिनार  
**पर्यावरण सुरक्षा और नियम**

Resource Person

24th June 2020  
2.00 pm to 3.00 pm



**KAMLESH KUMAR SINGH**  
Judicial Magistrate First Class  
Bihar Judicial Service



Platform: MICROSOFT TEAMS  
Registration Free

Registration Link: <https://forms.gle/QWLDGnzHNML8ityq8>

Convener  
Dr. Rani Jasmine Thomas N

Coordinator  
Dr. Shemi John

**Wiley  
Online  
Library**



Applied Organometallic Chemistry / Volume 34, Issue 7

FULL PAPER

**Copper(I) stabilized on *N,N'*-methylene bis-acrylamide crosslinked polyvinylpyrrolidone: An efficient reusable catalyst for click synthesis of 1,2,3-triazoles in water**

Paulson Mathew✉, Drishya Sasidharan,  
Nellickal Purushothaman Rakesh

First published: 06 April 2020

<https://doi.org/10.1002/aoc.5642>

Dedicated to the memory of Rt. Rev. Adolphus E. Medlycott, founder of the college, on the occasion of the centenary year 2019.

Department of Hindi,  
St. Thomas College  
(Autonomous), Thrissur, Kerala is organizing a \*National Webinar\* on the theme "

\*पर्यावरण सुरक्षा और नियम"\*

DATE : 24 June 2020

TIME: 2.00 PM to 3.00 PM

Shri Kamlesh Kumar Singh, Judicial Magistrate First Class, Bihar Judicial Service, will be the Resource person

For Registration fill the online form given in the link below:  
<https://forms.gle/QWLDGnzHNML8ityq8>

Dr. Paulson Mathew, Department of Chemistry published a paper in Wiley Online Library's journal Applied Organometallic Chemistry, Volume 34, Issue 7.





## SUBJECTS

Agriculture & Allied Sciences  
Allied Health  
Animal Studies & Veterinary Sciences  
Anthropology  
Archaeology  
Bioinformatics  
Biology  
Biomedical Engineering/Nanotechnology  
Biotechnology  
Business Management  
Chemical Engineering  
Chemistry  
Chemoinformatics  
Computer Science & Information Management  
Economics & Finance  
Education  
Electronics and Communications Technology  
Energy Science  
Engineering  
Environmental Health  
Environmental Science/Climate Change & Mitigation  
Fisheries Science & Marine Biology  
Food Chemistry & Science  
Hospitality & Tourism  
Library & Information Science  
Materials Science  
Mathematics  
Mechanical Engineering  
Media & Communications  
Medicine & Health Sciences  
Nanomedicine  
Nanotechnology  
Nutrition, Dietetics & Health  
Pharmaceutical Science & Technology  
Physics  
Plant Science & Botany  
Polymer Science  
Psychology, Psychiatry & Mental Health  
Security & Disaster Management  
Social Work & Social Welfare

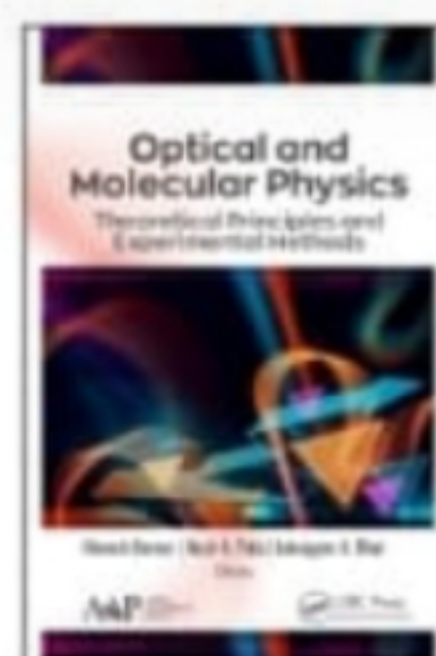
Physics

## Optical and Molecular Physics

Theoretical Principles and Experimental Methods

Editors: Miguel A. Esteso, PhD  
Ana Cristina Faria Ribeiro, PhD  
Soney C. George, PhD  
Ann Rose Abraham, PhD  
A. K. Haghi, PhD

Ordering Info/Buy Book



In Production  
Pub Date: August 2021  
Hardback Price: \$229.95 US | £177.00  
Hard ISBN: 9781771889834  
Pages: Approx. 514p w/index  
Binding Type: Hardback  
Notes: 100 b/w illustrations

**Optical and Molecular Physics: Theoretical Principles and Experimental Methods** addresses many important applications of and advances in the field. The book is divided into 5 sections:

- Plasmonics and carbon dots physics with applications
- Optical films, fibers, and materials
- Optical properties of advanced materials
- Molecular physics and diffusion
- Macromolecular physics

The volume also looks at optical materials in the development of composite materials for the functionalization of glass, ceramic, and polymeric substrates to interact with electromagnetic radiation. The book presents state-of-the-art research in the preparation methods, optical characterization, and usage of optical materials and devices in various photonic fields. It integrates materials science with other engineering subjects, such as physics, chemistry, and electrical engineering. The authors discuss devices and technologies used by the electronics, magnetics, and photonics industries and offer perspectives on the manufacturing technologies used in device fabrication.

Weaving together science and engineering aspects, this book maintains a careful balance between fundamentals and technological aspects to cover applications for a variety of fields. The volume will be an invaluable resource that offers a broad selection of information and research on key ideas, formulae, techniques, and results in optical and molecular physics.

### CONTENTS:

Preface

### PART 1: PLASMONICS AND CARBON DOT PHYSICS WITH APPLICATIONS

1. **Plasmonic Sensing by Green Synthesized Silver Nanoparticles**  
Mamatha Susan Punnoose and Beena Mathew

2. **Surface Plasmon Response and Applications of Silver Nanoparticles Synthesized via Sol-Gel Route**  
K. V. Arun Kumar and N. V. Unnikrishnan

3. **LSPR Applications of Gold (Au) and Silver (Ag) Nanoparticles**  
Aparna Raj and Riju K. Thomas

4. **Green Carbon Dots as Optical Sensors for Metal Ions**  
Mamatha Susan Punnoose and Beena Mathew

5. **Fluorescent Carbon Quantum Dots: Properties and Applications**  
K. A. Ann Mary, Johns Naduvath, and A. P. Sunitha

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"Best Marine Biology Books of All Time" by BookAuthority ...  
Congratulations to Dr. Ramasamy Santhanam for 3 books on this prestigious list:  
• Biology and Ecology of Venomous Stingrays  
• Biology and Culture of Portunid Crabs of World Seas  
• Biology and Ecology of Edible Marine Gastropod Molluscs

Comments from Our Editors  
and Author

"I'm very pleased with the books you have edited. It shows a very good and careful work by everyone involved along the whole production process, and so the final result is a beautiful piece: it has come out as a very nice and appealing book, easy to handle and read, .... and hopefully of interest for people from diverse related fields!" —Enrique Macia-Barber, PhD, Professor of Condensed Matter Physics, Universidad Complutense de Madrid, Spain; Author of **The Chemical Evolution of Phosphorus: An Interdisciplinary Approach to Astrobiology**

"As the Principal Editor for the trending 3-volume set book of Phytochemistry, I wish to express my sincere gratitude to the management of AAP for their excellent publishing services. Our publishing experience is positive, and the outcome of the book is one that is attracting lots of interests and recommendations from eminent scientists and research scholars worldwide. Our students, who are privileged to be the first users of the book, are very happy with the simplicity of the chapters. I also wish to express my happiness about the robust distribution channel of AAP and, more specially, the print quality of our book. I look forward to working with AAP again." —Chinwe Egbuna (BMB, MICCON, AMRSC).

Dr. Ann Mary and Dr. Johns Naduvath,  
Department of Physics published  
a chapter in the book "Optical and  
Molecular Physics".



Dr. Viju M J, Department of English has been inducted to the Board of Studies, Bharatiar University.



## ST. THOMAS COLLEGE NCC THRISSUR 23K BN

WE THE CADETS OF ST THOMAS COLLEGE ARE CELEBRATING INTERNATIONAL YOGA DAY ON 21 JUNE THIS YEAR JUST AS WE DO EVERY YEAR. AS IN THIS YEAR, STAYING AT HOME IS AN IMPORTANT MATTER, WE DECIDED THAT THIS BARRIER WOULDN'T STOP US FROM ANY FITNESS ACTIVITIES BOTH PHYSICAL AND MENTAL. IT IS AT THIS TIME, WHEN WE ARE SPENDING OUR LIVES WITHIN THE FOUR WALLS AROUND AS A PART OF SOCIAL DISTANCING THAT WE NEED TO TURN OUR EYES TO YOGA FOR BOTH ITS PSYCHOLOGICAL AND PHYSICAL BENEFITS.

THEREFORE, TAKING THE SITUATION OF THE PANDEMIC INTO CONSIDERATION, CADETS HAVE DECIDED TO ILLUMINATE VARIOUS ASPECTS OF YOGA FROM OUR VERY HOMES.

**WE ARE INVITING** ALL OF YOU TO JOIN US FROM YOUR HOMES ON **21 JUNE 2020 FROM 7AM TO 8AM**