



Organising Committee  
Patron: Sri.Vellapalli Natesan  
Dr K C Preetha , Principal  
Dr. Babitha G S  
(IQAC Co-ordinator)  
Dr Aranya S,  
(HOD, Physics)  
Sajesh Sasidharan  
Ramesh Chandran B R  
(Convenors)  
Veenas C L  
Jyothish B  
Parvathi S Babu  
Aiswarya Mol N S  
For queries, please contact/join  
7907916423, 9495601663  
[sncvphysics@gmail.com](mailto:sncvphysics@gmail.com)  
[https://chat.whatsapp.com/  
LrR9mwRpzE21wBMHzfKjPE](https://chat.whatsapp.com/LrR9mwRpzE21wBMHzfKjPE)



#### Resource Person



Dr Anand B. Puthirath  
Postdoctoral Research Associate,  
Materials Science & NanoEngineering  
RICE University, USA

#### Lecture I

### “ 2D materials as supercapacitor electrodes”

- Platform: Google Meet
- Registration is free
- Registration link: [https://forms.gle/  
CoCk8FuEJQBLkdMg9](https://forms.gle/CoCk8FuEJQBLkdMg9)
- e- certificates will be provided to all the participants after submission of a feedback form which will be made available after the lecture.

#### SREE NARAYANA COLLEGE

SIVAGIRI, VARKALA- 695145

[sncvpr@gmail.com](mailto:sncvpr@gmail.com)

Reaccredited with B Grade by NAAC



International Webinar Series on  
Material Science  
Organised by Post Graduate  
Department of Physics in  
association with IQAC  
On 7th August 2020  
at 10.50 am

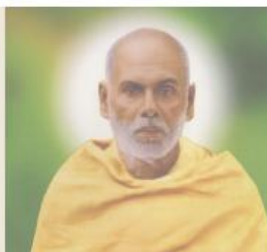


Dear Sir/Madam,

We have great pleasure to inform you that the Post Graduate Department of Physics, S.N College, Sivagiri, Varkala, Kerala is organising International Webinar series on Material Science. The main objective of this webinar series is to bring together the experts in this field, research scholars, teachers and students in a single platform to share their knowledge and ideas during this pandemic period of COVID -19. We invite Faculty members, Research Scholars, MPhil students, interested Post Graduate and Under graduate students to participate in this webinar series.

Dr Aranya S                      Dr.K.C Preetha  
HOD Physics                      Principal

Sajesh Sasidharan  
Ramesh Chandran B R  
Convenors



#### About Our College

Sree Narayana College, Sivagiri, Varkala was founded in 1964 in memory of the great social reformer Sree Narayana Guru, who believed in “*Liberation Through Education and Strength through Organisation*”. The college, managed by the S.N Trusts, Kollam, is accredited by NAAC with B grade. It is one of the leading institutions in the state. The Post Graduate Department of Physics has been offering BSc Physics since 1967 and MSc Physics since 1995. Many eminent Professors and teachers have been part of this department

#### About the Topic

*Super capacitors have attracted significant research interest attributable to their exceptional properties such as ultra high power densities, outstanding rate capabilities, and remarkable safety standards, making these devices a highly desirable contender for adoption as energy storage device to fill the gap between electrostatic capacitors and electrochemical batteries. Super capacitors as high energy storage device with specified properties has a potential to contribute toward rapid growth of low power electronics , high power reliant military applications and other wider commercial applications*



# **SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**

## **Department of Physics**

### **International Webinar Series:**

**Lecture1: 07.08.2020; ( DBT pre support) Lecture 2 :10.09.2020; Lecture 3:11.09.2020**

### **Webinar Report**

Sree Narayana College, Sivagiri, Varkala was founded in 1964 in memory of the great social reformer Sree Narayana Guru, who believed in "*Liberation Through Education and Strength through Organisation*". The Post Graduate Department of Physics started functioning as a graduate department in 1967, three years after the inception of college in 1964 and the department was later upgraded to a Post Graduate Department in 1995. The International Webinar Series on Materials Science was jointly organized by the Post Graduate Department of Physics and IQAC, Sree Narayana College, Sivagiri, Varkala in association with Kerala State Higher Education Council. This was the first in the International Webinar series organized by our college on 07.08.2020 . The purpose of organizing this webinar series is to offer a common platform for discussing the recent developments in the field of Materials Science and to share their knowledge to enhance the capacity building. The upsurge of technology has revolutionized our lives and the outlook towards sustainable living, the ever increasing concern for maximizing the output and minimizing the waste has been a matter of discussion all over the world.

**Lecture 1: 07.08.2020:**

**“2D materials as supercapacitor electrodes”**

The session started with a silent prayer. Dr. Aranya S., Assistant Professor and HoD, Department of Physics, welcomed everyone to the seminar session. The inaugural address was delivered by Dr. K. C. Preetha, Principal. Dr. R Raveendran (UGC Emeritus Professor, Special Officer Sree Narayana Trusts and Former Principal of Sree Narayana College, Sivagiri, Varkala) Sri. Aji S.R.M (Sree Narayana Trust Executive Member), Dr.JolyA. (Former Principal-in-charge and HOD of Chemistry), Dr.BabithaG. S. ( IQAC Coordinator) offered felicitations to the function. The scientists across the globe, teachers from various departments and the students of Department of Physics participated in the webinar.

Dr. Anand B. Puthirath (Post Doctoral Research Associate, Materials Science and Nano-Engineering, RICE University, USA) graced the occasion by his presence. The session comprised of a talk on “ 2D materials as Supercapacitor electrodes” followed by a discussion on the topic. The session was very informative as the itinerary was very exciting. The presenter expressed his views on the subject and gave an insight into the matter. It was indeed a great presentation and it has certainly sparked some true debates on the topic. Sri. Ramesh Chandran B.R. proposed vote of thanks. The Moderator of the session was Smt.Parvathi.S.Babu.

# Webinar photos

