

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. This was the first in the International Webinar series organised by our college. The purpose of organising 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 maximising the output and minimising the waste has been a matter of discussion all over the world.

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. Joly A. (Former Principal-in-charge and HOD of Chemistry), Dr. Babitha G. 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.



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)

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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>
- 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

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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 10.30 am**

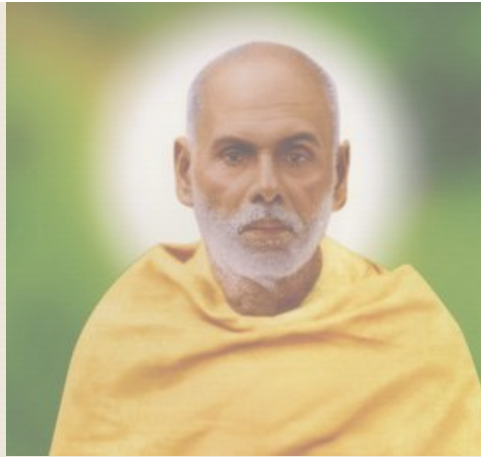


Dear Sir/Madam,

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 electro chemical 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

