



## **K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE**

**(Autonomous)**

K.S.R Kalvi Nagar, Tiruchengode – 637 215

Namakkal Dt, Tamil Nadu, India

### **Department of Physics**

#### **International Webinar on "Recent Trend in Materials Research and Methods for Sustainability"**

**Date: 19-11-2022**

#### **Content**

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From

Dr. J. Duraimurugan & Dr. R. Thangarasu  
Association Coordinators (UG & PG)  
Department of Physics  
K.S.Rangasamy College of Arts and Science (Autonomous)  
Tiruchengode-637215

To

The Principal  
K.S.Rangasamy College of Arts and Science (Autonomous)  
Tiruchengode-637215

Through

Head of the Departments  
Department of Physics  
K.S.Rangasamy College of Arts and Science (Autonomous)  
Tiruchengode-637215

Forwarded  
16/11/2022

Sir,

Sub: Requesting permission to conduct International Webinar - reg

We have planned to conduct the "International Webinar on Recent Trend in Materials Research and Methods for Sustainability" on 19-11-2022 through google meet. Kindly grant permission and approve Rs. 3,000/- (Rupees three thousand only) from the association activity fund to meet the expenditure.

Thanking You,

Yours faithfully

Date: 16-11-2022

Place: Tiruchengode

Dr. J. Duraimurugan & Dr. R. Thangarasu

Submitted to  
Vice Chairman  
16/11/22

PRINCIPAL  
K. S. Rangasamy College of Arts & Science  
(Autonomous)  
TIRUCHENGODE - 637215  
Namakkal-Dt. Tamil Nadu. INDIA.





# K.S. Rangasamy College of Arts and Science (Autonomous)

(NAAC Reaccredited with "A" Grade, an ISO 9001:2008 Certified Institution,  
Affiliated to Periyar University, Salem, Included Under 2(f) & 12b of UGC Act 1956)

Tiruchengode 637215

## Einstein's Hub Department of Physics

organize

International Webinar on

### "Recent Trend in Materials Research and Methods for Sustainability"

#### Speakers



**Dr. Shanavas Shajahan**  
Researcher  
Khalifa University, UAE



**Dr. S. Prabhu**  
Researcher  
Bar-Ilan University, Israel

<https://meet.google.com/eue-uepc-xgq>

November 19, 2022



Join with us

02.00 PM



#### Program Coordinaters

Dr. J. Duraimurugan, Assistant Professor of Physics

Dr. R. Thangarasu, Assistant Professor of Physics

For Contact

E-mail : [ksrcasphy@gmail.com](mailto:ksrcasphy@gmail.com) // Mobile : 9080018837

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(Autonomous)**

K.S.R Kalvi Nagar, Tiruchengode– 637 215  
Namakkal Dt, Tamil Nadu, India

**DEPARTMENT OF PHYSICS**

**CIRCULAR**

**Date: 19.11.2022**

From

To

The HoD  
Department of Physics

The M.Sc. and B.Sc. Students, from the  
department of Physics  
K.S. Rangasamy College of Arts and Science  
(Autonomous)

**Sub:** International webinar on “Recent Trends in Materials Research and Methods for sustainability”– Reg.

It is planned to conduct an International webinar on “Recent Trends in Materials Research and Methods for sustainability” to the M.Sc. and B.Sc. students from the department of physics on 19.11.2022 in Google Meet from 2.00 pm to 4.00 pm. The PG and UG students from the department of physics are instructed to participate in the program. .

*h2*  
19/11/22  
HoD



## Research Interest

- Development of graphene based materials for energy and environmental applications.
- Investigation on photocatalytic properties of Metal oxides, Porous Graphene, graphitic carbon and highly porous materials.
- Synthesis of smart materials Using Various Chemical and Physical Techniques.
- Development of composite catalysts with improved charge transfer efficiency.
- Understanding the kinetics and reaction mechanism of catalytic materials.

## Achievements

**60 - Research Publications** in SCI Indexed journals (14 articles as corresponding author)  
**Cumulative Impact Factor: 239.402**

**h-index = 18**

**i10-index = 29**

**Citations = 939**

**International Internship** at [Universidad de Santiago de Chile](#), Chile

**Corresponding Author** – In Applied Catalysis B DOI:10.1016/j.apcatb.2019.117758

**6 – Awards** in International and National conference.

**8 - Analytical Instruments** handled (XRD, FT-IR, UV-DRS, FE-SEM, XPS, HR-TEM, Potentiostat).

**Assistant Editor** - Inglomayor <http://www.inglomayor.cl/> ISSN: 0719-7578.

**National Internship** at University of Madras, India.

## Education

09/2021 TO Ongoing	<b>Postdoctoral Fellow</b> Research Topic: Development of Ferrites for environmental remediation applications. <b>Khalifa University, Abu Dhabi, UAE</b>
07/2017 TO 01/2021	<b>Doctor of Philosophy (Physics):</b> Department of Physics, Thesis Investigation on Graphene, Nanocatalyst and other 2D materials. <b>Periyar University, India</b> Supervisor: Prof. P. M. Anbarasan
05/2019 TO 03/2020	<b>Ph.D. Internship:</b> Department of Physics, <b>Universidad de Santiago, Chile.</b> Supervisor: Prof. Filipe Herrera and Prof. Dinesh Singh

## CURRICULUM VITAE

Mr. S. Prabhu  
5/53, Eravadi (Po & Vill),  
Mallur (Way), Salem (Tk),  
Salem (Dt) - 636 203.

E-mail: [prabhus541992@gmail.com](mailto:prabhus541992@gmail.com)

Mobile: +91 82200 55417



### OBJECTIVE

To build upon and enhance my professional skills in a reputed and dynamic organization that gives me the opportunity to evolve in a professional

### ACADEMIC QUALIFICATION

Degree	Specialization	Institution	Year	Percentage
Ph.D.	Physics	Periyar University, Salem	October 2021	Thesis Submeeted
M. Phil.	Physics	Periyar University, Salem	June 2016	82.0
M. Sc.	Physics	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	May 2015	79.20
B. Ed.	Physical science	V.O. C College of Education (Gov. Aided), Thothukudi.	May 2013	74.50
B. Sc.	Physics	Salem Sowdeswari College of Arts and Science (Gov. Aided), Salem.	Apr 2012	72.25

### ACEDEMIC ACTIVITIES

#### Projects

#### Post- Graduation



## K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode

Organized by

Einstein's Hub, Department of Physics

### International Webinar on "Recent Trend in Materials Research and Methods for Sustainability" - 2022

#### Feedback

S.No.	Email Address	Enter Your Name (Example. D	Class (Students) / De	Name of the College / Institution (Uppercase preferred)	Your Overall Satisfac	General Comments
	nithishnavi@gmail.com	NITHISH.V	B.Sc., Physics	K.S.Rangasamy college of arts and science (autonomous)	Good	Yes
	anbu2162002@gmail.c	K.ANBAZHAGAN	M.Sc., Physics	KSRangasamy college of arts and science	Good	
	Kamalidhivya16@gma	M.P.KAMALISHREE	M.Sc., Physics	K.S.Rangasamy college of arts and science (Autonomous)	Good	Nothing
1	priyadharshinim040720	M. Priyadharshini	B.Sc., Physics	K.S.Rangasamy college of arts and science (Autonomous)	Excellent	Excellent
2	anithachandran531@g	C.ANITHA	B.Sc., Physics	KSR College of Arts and Science	Good	Good
3	teenukavi28@gmail.co	R.TEENUKAVI	M.Sc., Physics	K.S.Rangasamy College of Arts and Science (Autonomous)	Good	I learned more
4	moorthylogesh7@gma	R.LOGESH	M.Sc., Physics	KSR College of arts and science (Autonomous)	Excellent	It's very useful for me. Thank you so much
5	happydreamnandhini@	R.NANDHINI	M.Sc., Physics	K.S.Rangasamy college of Arts and Sciences.	Excellent	Useful in my future projects
6	hariprasath6381@gma	Mr. M. HARIPRASATH	M.Sc., Physics	K S RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)	Excellent	It is very useful to us
7	suji987987@gmail.com	SUJITHA.S	B.Sc., Physics	kS Rangasamy college Of Arts And Science (Autonomous)	Excellent	Definitely This class will usefull for us in future
8	anuniva29@gmail.com	Ms. S.M. ANU NIVEDITHA	M.Sc., Physics	K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), TIRUCHENGODE.	Excellent	
9	pragathi336@gmail.co	Miss.E. PRAGATHI	M.Sc., Physics	K S Rangasamy College of Arts & Science (Autonomous)	Excellent	
10	thachayeni2001@gma	S.THACHAYENI	M.Sc., Physics	K.S.Rangasamy College of Arts and Science Autonomous	Good	The 2nd session was interesting and good

11	maharajan660@gmail.	M. Tamilarasu	B.Sc., Physics	K. S. Rangasamy college of arts and science	Excellent	Help full
12	jeielayaganga@gmail.	Ms. V. T. JEIELAYAGANGA	Assistant Professor	K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE, (AUTONOMOUS)	Excellent	Given information was very useful.
13	nsriram422@gmail.com	N.SRIRAM	B.Sc., Physics	KS.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS).	Excellent	Good
14	rojamathi1411@gmail.	M.Rojamathi	M.Sc., Physics	K.S.Rangasamy college of technology	Good	Useful for us
15	dineshkj1972k2@gmail	K.J.Dineshkumar	M.Sc., Physics	K.S.Rangasamy College of Arts and Science (Autonomous)	Good	
16	kowsilakshmanan31@	MS L. KOWSALYA	M.Sc., Physics	K. S. Rangasamy College of Arts and Science (Autonomous)	Excellent	It is very much useful for me to learn some knowledge about material science
17	vijayavigneshs57@gm	S.VIJAYA VIGNESH	M.Sc., Physics	K.S.Rangasamy college of arts and science(Autonomous)	Good	I got some useful informations...it's really good.
18	feymankamal@gmail.c	Kamalesh	M.Sc., Physics	K. S. Rangasamy College of Arts and Science autonomous	Excellent	
19	prasanthking4321@gm	Prasanth.K	M.Sc., Physics	Prasanth Master	Excellent	Nice experience
20	harishkumaralagesan@	A.HARISHKUMAR	M.Sc., Physics	K.S.Rangasaamy college of arts and science	Good	It's very useful session
21	smoulidharan143@gm	S.MOULIDHARAN	B. Sc., Physics	Ksr college of arts and science	Good	
22	niranjkjency2002@gma	K.NIRANJANA	M.Sc., Physics	K.S.Rangasamy College of Arts and Science (autonomous) Tiruchengode.	Excellent	Very useful
23	ganesan94881@gmail	G DINESHKUMAR	M.Sc., Physics	KSRCAS	Excellent	It is very useful to us.
24	ramyavignesh27@gma	R. RAMYA	B.Sc., Physics	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)	Good	Helped us to learn and develop our ideas for upcoming semester projects.
25	abimannangomathi@g	A. GOMATHI	Ph.D. Scholar	PERIYAR UNIVERSITY	Excellent	We gathered lot of information
26	shalinimetturdam@gm	R.SHALINI	B.Sc., Physics	KSRangasamy college of arts and science.	Good	It is useful for us
27	sanjeev90808@gmail.c	K.SANJUVI (22PPH020)	M.Sc., Physics	K.S Rangasamy college of arts and science autonomous	Excellent	This will be more useful to improve our knowledge and skills.
28	seismickarthi@gmail.c	Mr.S.KARTHIKEYAN	Assistant Professor	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), TIRUCHENGODE	Good	Good



29	prabhuraj2444@gmail.com	T.Prabhuraj	Ph.D. Scholar	PERIYAR UNIVERSITY	Good	Good
30	nithishkumart75@gmail.com	Dr. T. NITHISHKUMAR	M.Sc., Physics	K. S. Rangasamy college of arts and science (autonomous), tiruchengode.	Excellent	It's useful
31	priyakuls2018@gmail.com	S.PRIYADHARSHINI	M.Sc., Physics	Ksr college of arts and science	Excellent	Very useful class
32	srinathguru315@gmail.com	G. SRINATH	M.Sc., Physics	K. S. Rangasamy college of Arts and Science(Autonomous)	Excellent	Useful one
33	nithishwar03@gmail.com	K. A. Nithishwar	M.Sc., Physics	Ksr college arts and science	Excellent	Good
34	nitheeskumar222@gmail.com	S.NITHEESKUMAR	M.Sc., Physics	k.s.rangasamy college of arts and sciences	Excellent	Super
35	jeevanatarajan424@gmail.com	N. JEEVARATHINAM	M.Sc., Physics	KSR COLLEGE OF ARTS AND SCIENCE	Excellent	The sessions is very useful
36	priyarp18012000@gmail.com	Ms.A.RAJAPRIYA	M.Sc., Physics	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE	Excellent	The concept explained is very clear and excellent... This session helps me in upcoming project... Thankyou sir
37	kksatheesh2001@gmail.com	SATHEESH KUMAR.K	M.Sc., Physics	K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE AUTONOMOUS	Excellent	No
38	gokulavanan1230@gmail.com	R. P. Gokulavanan	M.Sc., Physics	K. S. rangasamy	Excellent	Nice and use full to me
39	sanjaysanjaya50826@gmail.com	K.SANJAY	M.Sc., Physics	K.S. Rangasamy collage of arts and science(Autonomous)	Excellent	It is use full for my project thank you
40	mekalabalu25@gmail.com	B.MEKALA	M.Sc., Physics	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE	Excellent	This program excellent and very useful
41	rsomasundaramrp@gmail.com	R. SOMASUNDARAM	M.Sc., Physics	KSR College of arts and sciences, Thiruchangode	Good	Very useful that moment in international webinars
42	naveenkee100@gmail.com	Dr.T.Naveen kumar	B.Sc., Physics	KSRangasamy college of arts and sciences	Excellent	Good
43	monishkumar218@gmail.com	V.MONISHKUMAR	M.Sc., Physics	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE	Good	Good
44	ravi1905678@gmail.com	N.GOVINDHARAJAN	M.Sc., Physics	Ksr College of arts and science	Excellent	
45	thenamudhan111@gmail.com	P.Thenamudhan	M.Sc., Physics	K.S.Rangasamy College of arts and science	Excellent	The info regarding the abroad edu was quite fascinating.
46	boomika191101@gmail.com	G.BOOMIKA	M.Sc., Physics	K.S.Rangasamy college of arts and science(Autonomous)	Excellent	It was good
47	jemefencer01@gmail.com	J.B.JEMELIA	B.Sc., Physics	K.S.RANGASAMY COLLEGE OF ARTS & SCIENCE	Excellent	Good

48	harisankaran755@gmail.com	K. S.HARIHARAN	M.Sc., Physics	K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE, TIRUCHENGODE	Excellent	Excellent exposure and knowledge
49	santhoshsabrefencer@gmail.com	M.SANTHOSH	B.Sc., Physics	K.S.Rangasamy college of arts and science	Excellent	
50	dharun24@gmail.com	Dr.L.ARUNRAJA	Assistant Professor	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), TIRUCHENGODE	Excellent	
51	dhatchu1701@gmail.com	L.DHATCHINAMURTHY	Assistant Professor	K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS ), THIRUCHENGODE-15	Excellent	Good
52	Poonguzhalibalu1998@gmail.com	B.Poonguzhali	Assistant Professor	B.Poonguzhali	Good	Good
53	jananibabu2708@gmail.com	B. JANANI ( 21UPH004)	B.Sc., Physics	K.S.Rangasamy college of arts and science( Autonomous)	Excellent	This will be more useful to improve our knowledge and skills.
54	vijayanandselvaraj05@gmail.com	VIJAYANAND.S	B.Sc., Physics	KS.Rangasamy college of arts and science	Good	
55	rstdeepan7@gmail.com	M.Deepan	B.Sc., Physics	KSRCAS INSTITUTIONS	Excellent	
56	kaosirk234@gmail.com	V.KAOSALYA	B.Sc., Physics	K. S. Rangasamy College of Arts and Science (Autonomous )	Good	Nice
57	dineshkumar5321334@gmail.com	R. DINESH	B.Sc., Physics	KSRCAS INSTITUTIONS	Excellent	
58	selvakumarselvakumar@gmail.com	V. Selvakumar	B.Sc., Physics	KSRCAS	Excellent	
59	vv9890031@gmail.com	C. VELMURUGAN	B.Sc., Physics	KS. Rangasamy College Of Arts and Science	Excellent	
60	vrveluv@gmail.com	R.THANIGAIVEL	B.Sc., Physics	KS.Rangasamy College of Arts And Science	Good	
61	naveenkumarnaveen24@gmail.com	Dr.M.Naveen kumar	B.Sc., Physics	K.s.rangasamy collage of arts and science	Good	
62	keerthigarhariharan@gmail.com	R.KEERTHIGA	Assistant Professor	K.S.Rangasamy college of arts and sciences	Excellent	Very useful
63	thangarasu1987@gmail.com	Dr. R. THANGARASU	Assistant Professor	K. S. Rangasamy College of Arts & Science (Autonomous)	Excellent	
64	gowris25082003@gmail.com	S.GOWRI	B.Sc., Physics	KS Rangasamy college of Arts and Science (Autonomous)	Excellent	Useful

Coordinator

HoD





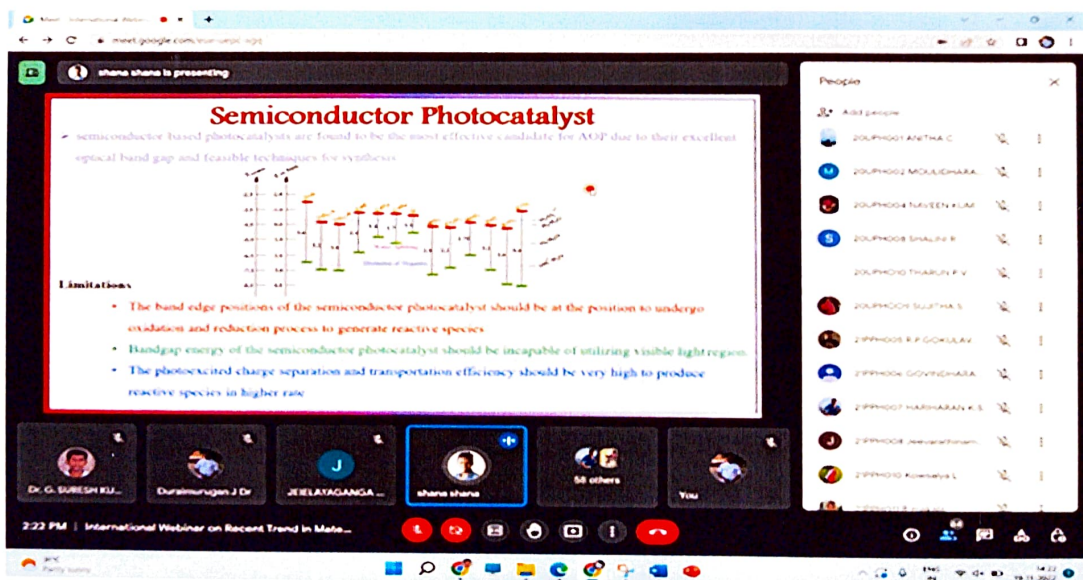
## K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (Autonomous)

K.S.R Kalvi Nagar, Tiruchengode- 637 215  
Namakkal Dt, Tamil Nadu, India

Department of Physics

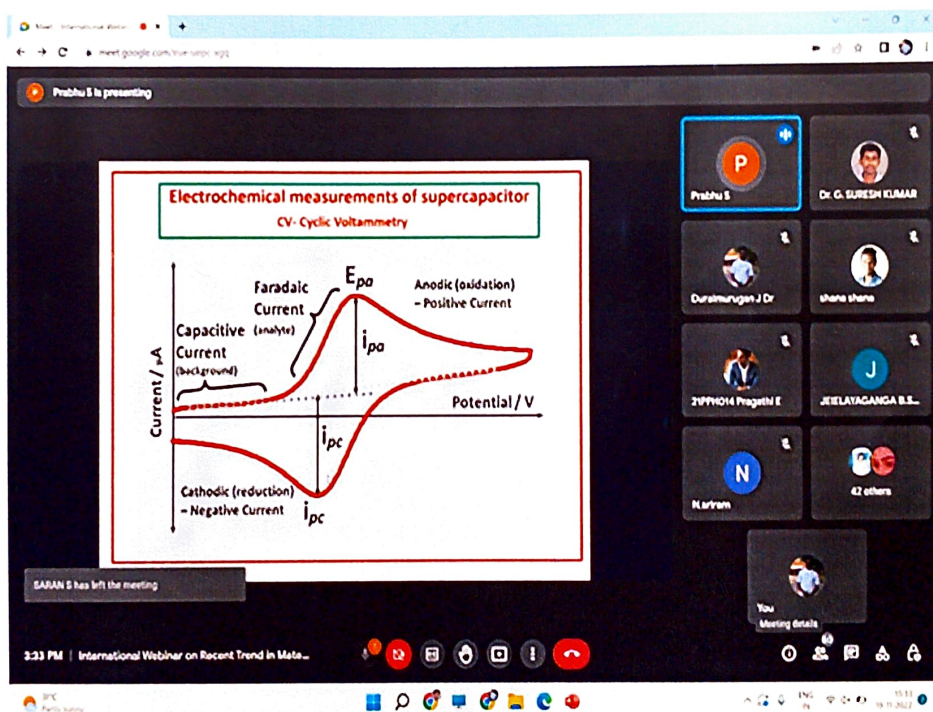
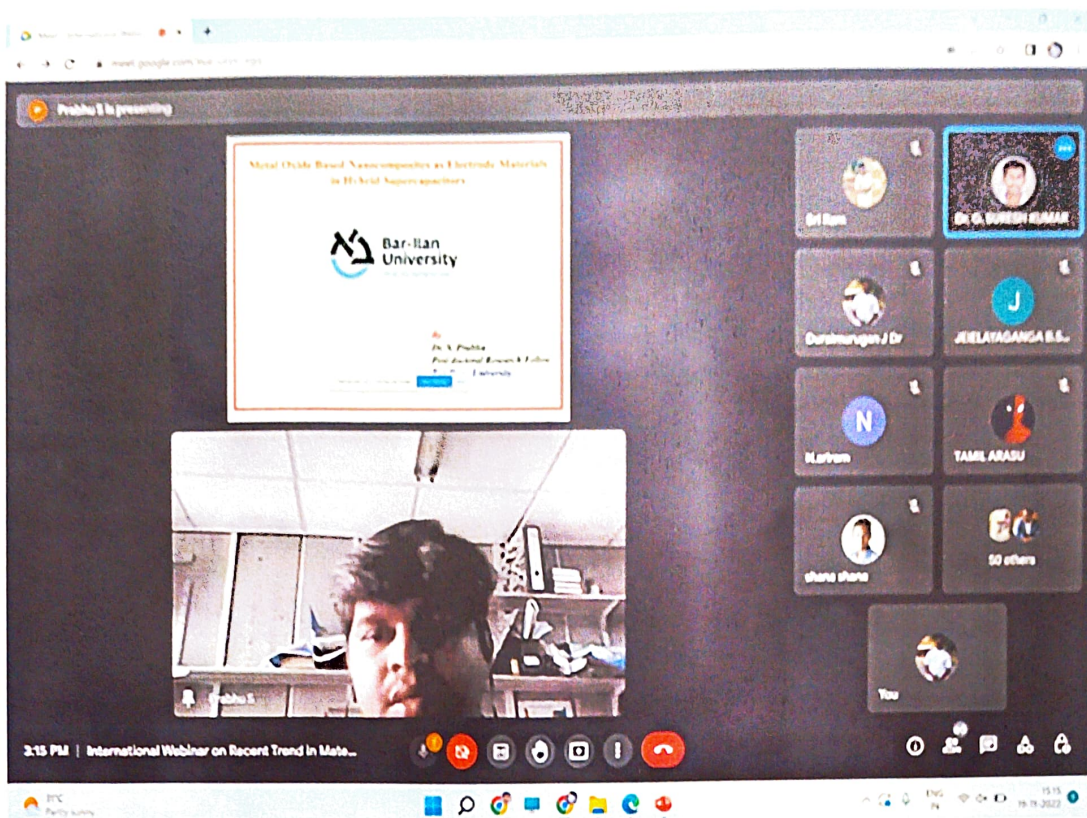
Date: 19.11.2022

International webinar “Recent Trends in Materials Research and Methods for sustainability”  
Photo gallery



Glimpse of the international webinar “Recent Trends in Materials Research and Methods for sustainability” held on 19.11.2022 at 2.00 pm. through Google meet.





Glimpse of the international webinar “Recent Trends in Materials Research and Methods for sustainability” held on 19.11.2022 at 3.15 pm. through Google meet.





**K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE**  
**(Autonomous)**

K.S.R Kalvi Nagar, Tiruchengode– 637 215

Namakkal Dt, Tamil Nadu, India

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**DEPARTMENT OF PHYSICS**

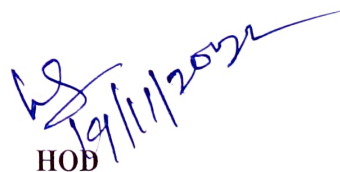
**Academic year 2022-2023**

**Date: 19-11-2022**

**International webinar on**  
**“Recent Trends in Materials Research and Methods for sustainability”**

**Report of the Event**

On behalf of Einstein's hub, The Department of Physics, K.S.Rangasamy College of arts and science (Autonomous) organized an International webinar on “**Recent Trends in Materials Research and Methods for sustainability**”, through Google meet on 19.11.2022. The theme of the program was focused on preparation of Nano materials for various applications. The program started with the remembrance of Lord Almighty. The Welcome address was given by Dr.G.Suresh Kumar, Head & Assistant Professor, Department of Physics (PG and Research). Introduction about chief guest was given by Dr.M.Venkatesh, Assistant Professor and Head, Department of Physics – UG. The session was followed by Dr.S.Shanavas, delivered lecture on Environmental applications of photo catalysts also moreover Dr.S.Prabhu, delivered lecture on Metal oxide based Nano composites as electrode materials in Hybrid super capacitors. Overall 64 students participated and benefited from the program. The faculties also interact with the guest and clarify their doubts in a good manner. After the session, vote of thanks was given by Dr. J. Duraimurugan, Assistant professor, Department of Physics.

  
HOD