

Online FDP on “Nanocomposites and Nanomaterials and Its Characterization”



**VIMAL JYOTHI
ENGINEERING COLLEGE**

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR
Affiliated to APJ Abdul Kalam Technological University • Approved by AICTE
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**Two Week Faculty Development Programme
(Online) On
“Nanocomposites and Nanomaterials and its
Characterization”
08.06.2020 - 20.06.2020**



Convenor

Dr. S.Christopher Ezhil Singh, ME, VJEC

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Coordinators

Dr.P.Sridharan, ME, VJEC

Mr.Mejo Francis, ME, VJEC

Mr.Appu C Kurian, ME, VJEC

Mr.Jerin Saji, ME, VJEC

Dr.Sreekanth, ME, VJEC

Mr.Arjun Jayaprakash, ME, VJEC

Registration Fees: The registration fee is Rs.500/- per participant. E-Certificate will be provided for all registered participants. Registration can be done through NEFT, Google pay, etc. to this Beneficiary Name: Meshar Diocesan Educational trust, account number:24273070000040, IFSC Code: SYNB0002427, Bank Name: Syndicate Bank, Branch Name: Vimal Jyothi Extension Counter.

Resource Persons

Eminent faculties from IITs, NITs, Industries, Research organizations and domain expert faculties from VJEC.

Google registration form link

<https://forms.gle/LUjnBgPEaMQMGZSo6>

Or

Scan the QR
code for
registration



In association with



**ORGANIZED BY
DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE**

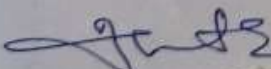
**Accredited by NAAC and NBA
Chempери, Kannur, Kerala - 670 632.
Website:www.vjec.ac.in**

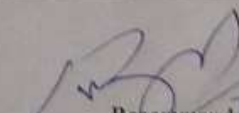


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EVENT PROPOSAL FORM

1	Event type and Name	Two Week FDP on "Nanocomposites and Nanomaterials & It's Characterization"
2	Date and time	08-06-2020 to 22-06-2020
3	Participants/audience	Faculties, Research Scholars, PG student from all disciplines
4	Venue	Online Platform
5	Objectives	<ul style="list-style-type: none">• Research and development in the area of Nanocomposites and Nanomaterials.• Curricular Gap Bridging relevant to Nanocomposites and Nanomaterials.
6	Expected outcomes	<ul style="list-style-type: none">• Faculties, Research Scholars, PG student will be able to get knowledge on research and development in Nanocomposites and Nanomaterials.
7	Connected POs/PSOs	PO3,PO5, PO7 ,PSO1
8	Justification for POs/PSO's	<ul style="list-style-type: none">• The session will impart knowledge on Nanocomposites and Nanomaterials in Mechanical Engineering and get an idea about progress in present research in Nanocomposites and Nanomaterials.
9	Resource requirements	Nil
10	Any other Relevant Information	Nil
11	Responsible Persons	Dr.S.Christopher Ezhil Singh, Prof., ME.
12	Department	Mechanical Engineering



Proposal prepared by, 03/06/2020
Dr.S.Christopher Ezhil Singh, Prof., ME.


Recommended by
Cdr. (Rtd.) Raju K Kuriakose, HOD ME



resentation slide of resource person

Aerogels: Three Dimensional Assemblies of Nanoparticles




Naveen Kumar Chandrasekaran
Scientist
18-06-2020
CSIR-Central Electrochemical Research Institute
Karalkudi, TamilNadu, India.
Email: naveen@cecri.res.in


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Nanostructured Materials for
Electrochemical Energy Storage Systems

J. Mary Gladis
Department of Chemistry,
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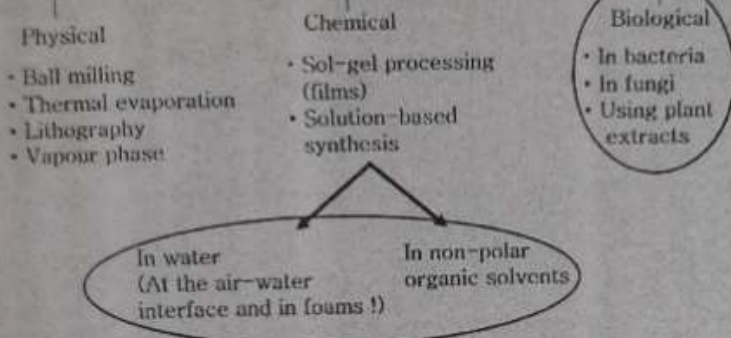
Faculty Development Programme on
"Nanocomposites and Nanomaterials & it's Characterization"
Organized by
Department of Mechanical Engineering
Vimal Jyothi Engineering College, Chempur, Kannur
June 18, 2020



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Different Nano-Synthesis Methods



FDP on "Nanocomposites and Nanomaterials and It's Characterization", VJEC, Kannur, June 20, 2020

SRM Nanotechnology | **NRC NANOTECHNOLOGY RESEARCH CENTRE**

Multiferroic heterostructures

(a) Ferromagnetic polarization curves and **(b)** dielectric curves for BL51, BL53, and BL59.

(c) TEM images of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(d)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(e) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(f)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(g) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(h)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(i) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(j)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(k) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(l)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(m) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(n)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(o) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(p)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(q) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(r)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(s) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(t)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(u) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(v)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(w) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(x)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.

(y) EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q and **(z)** EPR spectra of BL51 (a) on Fe3O4, (b) 110 Q, and (c) 2100 Q.



List of Participants attended the FDP

Title	Name of Faculty (Capital Letters)	Designation	Institution Name (Capital Letters)	Institution Address	Department	Gender	Email ID:
1.	Mr Praveen Sathyan	Assistant Professor	ACE COLLEGE OF ENGINEERING	Trivandrum, Kerala	Aeronautical	Male	pjsathyan1@gmail.com
2.	Mrs M.ELAMATHI	Assistant Professor	SAIVA BHANU KSHATRIYA COLLEGE, ARUPPUKOTTAI	SAIVA BHANU KSHATRIYA COLLEGE, ARUPPUKOTTAI-626101, Tamil Nadu	Physics	Female	elamathi47@gmail.com
	Dr DR.A.R.BA BY SUGANTHI	Assistant Professor	SAVEETHA ENGINEERING COLLEGE	THANDALAM ,CENNAI-602105	PHYSICS	Female	suganthi.babux@gmail.com
	Dr R. PRIYA	Professor	R.M.D. ENGINEERING COLLEGE	R.S.M. Nagar, Kavaraipeitai 601206	Physics	Female	drpriya.snh@rmd.ac.in
	Dr SAJIKUMAR	Assistant Professor	CHRISTIAN COLLEGE KATTAKAKADA	Christian college Kattakakada, Thiruvananthapuram Dist. Kerala	Physics	Male	sajikumarp@ gmail.com
	Mr SATHISH SUDHAND RABHARATHI	others	NATIONAL INSTITUTE OF TECHNOLOGY	TIRUCHCHIRAPPALLI	Metallurgical Engineering	Male	mailforsb@gmail.com
	Dr JISHA.V.T	Assistant Professor	CHRISTIAN COLLEGE	CHRISTIAN COLLEGE, KATTAKADA, KATTAKADA.P.O THIRUVANANTHAPURAM DISTRICT	PHYSICS	Female	drjishavt@gmail.com
	Dr Y.B.KANNAN	Assistant Professor	ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE	TIRUPPATTUR-630211, SIVAGANGAI DT. TAMILNADU	PHYSICS	Male	ybkans@gmail.c



	Dr DJAJITHA SWEETLY	Assistant Professor	NESAMONY MEMORIAL CHRISTIAN COLLEGE MARTHANDAM	Nesamony Memorial Christian College Marthandam, kanyakumari, Tamil Nadu, India	Physics	Female	ajitha7tejas@gmail.com
81.	Dr Ketki shriang gujarati	Professor	Navyug Science College, Surat	Moraji Desai Edu Compound, Near Rushabh Tower, Surat, Gujarat 395009	physical science	Female	ketki1999@yahoo.com
82.	Dr R.SARAVANAN	Professor	ELLENKI COLLEGE OF ENGINEERING AND TECHNOLOGY.	NEAR BHIL, PATELGUDA, AMBENPUR(M), SANGAREDDY (D), HYDERABAD 502319	MECHANICAL ENGINEERING	Male	dr.saravanan@ gmail.com
83.	Mr K.Manikandan	Lecturer	Shinas college of Technology,	Shinas, Oman	Mechanical Engineering	Male	kadirvel.manikandan@shet.edu.om
84.	Mrs Reshmi Olayil	Lecturer	Shinas college of technology	P.O.Box 77, Postal Code 324.	Engineering	Female	reshmi@gmail.com
	Mr Umar Rizwan M	Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	Kattankulathur	Aerospace engineering	Male	umarriz@m.srmist.edu.in
	Mr MOHAMED ARIF. R	Assistant Professor	SRM IST-KTR	Chennai	Aerospace engineering	Male	mohamedr@srmist.edu.in
	Mr VINOTHK UMAR ANNAMALAI	Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	SRM Nagar, kattankulathur, Tamilnadu-603203	Aerospace engineering	Male	vinothka@srmist.edu.in
	Mr Saravanan G	Assistant Professor	SRM Institute of Science and Technology, Chennai	Chennai	Aerospace Engineering	Male	saravang@srmist.edu.in



Institution

66 responses

Farul Institute of Engineering and Technology, Parul University

St. Xavier's college, Tirunelveli

Shinas College of Technology, Sultanate of Oman

Vellore Institute of Technology

Shinas college of technology

Seethalakshmi Achi College For Women, Pallathur

Mepco Schlenk Engineering College

GMR Institute of Technology, Rajam

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What are the types of nano-structured fillers?

66 responses



- Nanoparticles
- Nanotubes
- Nanolayers
- All of the above