

4<sup>th</sup> Edition of  
Nanotechnology  
&  
Nanomaterials Virtual

May 13 | 07:00 – 14:25 GMT

**V-Nano2022**



07:00 – 07:10

Introduction



## Plenary Session

Webinar

Speakers

Time Zone

Time Zone

07:10 – 07:50

08:10 – 08:50

Title: Multicomponent High-Entropy Cantor alloys

**Brian Cantor**, Brunel University, UK.

## Keynote Sessions

07:50 – 08:25

15:50 – 16:25

Title: Mixtures and nanolaminate materials for high-power laser coatings

**Jianda Shao**, Shanghai Institute of Optics and Fine Mechanics, China.

08:25 – 09:00

16:25 – 17:00

Title: Vitriimer-like polymers and their applications

**Huang Wei Min**, Nanyang technological University, Singapore.

09:00 – 09:35

13:00 – 13:35

Title: Atomistic-based Continuum Modelling of Nanomaterials and Nanocomposites

**Khalid I Alzebdeh**, Sultan Qaboos University, Oman.

09:35 – 10:10

11:35 – 12:10

Title: Development of WO<sub>3</sub> and TiO<sub>2</sub> nanowire-based self-supporting membranes for removal of viruses and bacteria from drinking water**Zoltan Nemeth**, University of Miskolc, Hungary.

10:10 – 10:45      11:10 – 11:45

Title: Development and application of micro/nano manufacturing technology

**Jufan Zhang**, University College Dublin, Ireland.

10:45 – 11:20      11:45 – 12:20

Title: Performance evaluation of magnetic nanofluids in a Magnetically Activated Thermal Switch (MATS)

**Vivian Andrade**, University of Porto / IFIMUP, Portugal.

11:20 – 11:55      07:20 – 07:55

Title: Current and Future of Red and Black Phosphorus Nanomaterials

**Hai-Feng Ji**, Drexel University, USA.

11:55 – 12:30      17:20 – 18:00

Title: Circular Economy: New Opportunities in Sustainable Nano Materials and Polymer Bio-Nanocomposites

**Sabu Thomas**, Mahatma Gandhi University, India.

12:30 – 13:05      14:30 – 15:05

Title: Screening of Alternative Solvents for Swelling and Continuous Nanofibrillation of Cellulose Fibers

**Pieter Samyn**, Sirris, Belgium.

13:05 – 13:40      18:35 – 19:10

Title: Soy Protein Isolate/Silk Fibroin based Electrospun Nanofibrous Patches for Skin Wound Healing

**Sanjeev Kumar Mahto**, Indian Institute of Technology, (Banaras Hindu University), India.

13:40 – 14:15      19:10 – 19:45

Title: Synthesis of 2d nanomaterials and its application in transistor devices

**Jai Singh**, Guru Ghasidas Vishwavidyalaya, India.



## E-Poster Session

14:15 – 14:25

22:15 – 22:25

Title: Palladium based TMDs layered nanosheet used as saturable absorber for ultrafast laser generation

**Daniel Ping Kwong Cheng**, The Hong Kong Polytechnic  
Hong Kong.

## Closing Ceremony