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20th International Conference on
**Materials Science and
Engineering**

October 21-22, 2020 | Bangkok, Thailand

*Theme: “Advanced Materials for Sustainability; Exploring
new insights and Innovative Technologies”*

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Invitation...

Dear Colleagues,

20th International Conference on Materials Science and Engineering (Mat Science 2020) extends its welcome to you during **October 21-22, 2020** at **Bangkok, Thailand**. with a theme "**Advanced Materials for Sustainability; Exploring new insights and Innovative Technologies**". Conference Series LLC Ltd Organises 1000+ Conferences Every Year across USA, Europe & Asia with support from 1000 more scientific societies and Publishes 700+ Open access journals which contains over 50000 eminent personalities, reputed scientists as editorial board members.

The **Mat Science 2020** intends to gather all the people across the globe like students, lecturers, Assistant Professors, Professors, Directors, Chairman, Chancellor, Scientists, Doctors, Managing Directors, Chief Executive Officers, Presidents and Noble Laureates and base a platform for them to share their experience, knowledge and research work, recent advancements in the field of Materials Science.

Why to Attend???

With individuals from everywhere throughout the world concentrated on getting new ideas concerning Materials Science and its advances, this is the best chance to accomplish the greatest get-together of people from the field of Materials Science and Engineering. Famous speakers, quality presentations, recent frameworks, novel techniques for Engineering problems, recent techniques will mark the uniqueness of this conference. It will also pave way for making a good relationship with the Engineering associates through the B2B meetings and develop better business opportunities.



Conference Sessions:

All honorable authors, researchers, scientists and students are encouraged to contribute and help the shape of the conference through submissions of their posters & research abstracts. Also, high quality research contributions describing original and unpublished of conceptual, constructive, experimental or theoretical work in all areas of Materials Science and Engineering are warmly invited for presentations at the conference. The conference memorial contributions of abstracts and posters that address themes & future aspects of the conference related sessions.

- Fundamentals of Materials Science
- Materials Science & Engineering
- Materials in Research
- Ceramics and Composite Materials
- Graphene and 2D Materials
- Polymer Science and Technology
- Electronic and Magnetic Materials
- Metallurgy and Metal Science
- Materials Chemistry and Physics
- Materials in Industry
- Smart & Hybrid Materials
- Advanced Materials Design & Processing
- Nanomaterials and Nanotechnology
- Nano Biomedicine
- Bio Materials and Medical Devices
- Materials for Energy Application
- Materials in Green Technology

Mat Science 2020

- Opportunity to attend the presentations delivered by eminent scientists and business professionals from all over the world.
- Selected contributions will be published in following reputed high impact factor Journals.
 - ☞ Journal of Material Sciences & Engineering
 - ☞ Industrial Engineering & Management
 - ☞ Journal of Biotechnology & Biomaterials

Program at Glance

October 21, 2020

Time	Session
09:00 - 09:15	Inaugural Address
09:15 - 10:45	Keynote Session
10:45 - 10:50	Group Photo
10:50 - 11:00	Coffee/Tea Break
11:00 - 13:00	Fundamentals of Materials Science Materials Science & Engineering Materials in Research
13:00 - 13:30	Lunch Break
13:30 - 15:30	Ceramics and Composite Materials Graphene and 2D Materials Polymer Science and Technology
15:30 - 15:45	Coffee/Tea Break
15:45 - 17:30	Electronic and Magnetic Materials Metallurgy and Metal Science Materials Chemistry and Physics Materials in Industry

Day Concludes

October 22, 2020

Time	Session
09:00 - 10:00	Keynote Sessions
10:00 - 10:15	Coffee/Tea Break
10:15 - 13:00	Smart & Hybrid Materials Advanced Materials Design & Processing Nanomaterials and Nanotechnology
13:00 - 13:30	Lunch Break
13:30 - 15:30	Nano Biomedicine Bio Materials and Medical Devices Materials for Energy Application Materials in Green Technology
15:30 - 15:45	Coffee/Tea Break
16:15 - 18:00	Poster Presentations

Day Concludes

Award Ceremony

Conferece Concludes

Title: Magnetocaloric effect in heavy fermion materials: the case of UCu5

Marco A. López de la Torre
Universidad de Castilla-La Mancha, Spain

Will present a study of magnetocaloric effect in UCu5, a heavy fermion systems (HFS) showing a 2nd antiferromagnetic phase transition at $T_N=15.5$ K, and a 1st order phase transition of not well understood nature at $T_c\sim 0.9$ K. The results will be discussed in terms of current theories of magnetoelectric effect close to 1st and 2nd order transitions.

In this paper would be described the interplanar distance of crystals plane, the average crystallite size and the average molecular chain separation within the Sudan III thin film and also for pure Sudan III in powder form as comparison. The optical properties of the Sudan III thin film is also discussed.

Title: Physical Structure Analysis and Optical Properties of Sudan III Thin Film

Heindrich Taunaumang
Manado State University, Indonesia

Title: Super hydrophilic nanotube surfaces for heat flux enhancement

R. Prasanth
Pondicherry University, India

Optimizing the nanostructures and characterizing it and establishing correlations between the surface properties and the Critical Heat Flux are important to achieve this goal. The experimental results observed for boiling heat transfer exhibits the dependence of surface wettability in heat transfer performance.

Accepted Abstracts

Title: Microstructure and Mechanical properties of composite material used scrap aluminium can and waste glass fabricated by Spark Plasma Sintering

Mangal Delgarmaa
MUST, School of Mechanical Engineering and Transportation, Mongolia

In order to do the experiment, there were demands to determine granular size which can satisfy uniform distribution of aluminum waste and glass waste and to optimize the proportion of can waste and waste glass powder with the determined granule size. In this research, it shows smoothest uniform distribution while can waste and waste glass powder are 106 mesh but it creates mixtures with low density.

By the effect of Dy addition on glass forming ability, we investigated the fracture strength, magnetostriction as well as soft magnetic properties in FeDyBSiNb glassy alloys. In addition to increase the supercooled liquid region, the addition of Dy is effective in approaching alloy to an eutectic point and also increasing the saturation magnetostriction.

Title: Bulk glassy alloys with large magnetostriction and high glass forming ability

Shahid Ali
Institute of Material Research Shanghai,
Shanghai University, China

Title: Sludge incorporation in building materials production (Morocco)

Rachida Bouachera
Department of Geology,
Semlalia Faculty of Sciences, Cadi Ayyad
University, Morocco

This studies aim to promote the use of these wastes as raw materials and reduce the landfill space used by aggregates manufacturing

Accepted Abstracts

*Title: Toxicity evaluation of hexaconazole controlled release formulations in field pea (*Pisum sativum*) against powdery mildew by laboratory bioassay and field efficacy*

Vinayak Kamble

Department of Polymer & Surface Engineering, Institute of Chemical Technology, Matunga

The controlled release rate and release kinetics were studied by applying the Korsmeyer–Peppas model. The obtained microcapsules have excellent encapsulation efficiency (up to 96%) and controlled release properties for the extended period of time (33% release of hexaconazole in 30 days)

Different methods are used to define two Weibull distribution parameters: shape and scale factors. The seven methods are the Maximum Likelihood method, Graphical method, Energy pattern factor method, Momentum method, Empirical method, Modified maximum likelihood method, and Equivalent energy method

Title: Determination of Weibull parameters using different methods for wind speed analysis; A case study

Nour Khlaifat

Centre of Green Technology, University of Technology Sydney

City Attractions



Venue :

Bangkok, Thailand



Mail us to know more!

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Registration Posters | Accommodations

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Why not get in touch..!

Drop us your query with details and we will call you right away

Email: Matscience@asia-meetings.com

Bangkok, Thailand's second largest city is known for its nightlife and foodie, but with the flourishing crowd and the twin tower make this a lively, fun place to visit or live. It is located in the humid subtropical climate zone with 4 different seasons. The month of May witnesses the beautiful winters, which offers wide variety of flowers. The region is well known for lavender which attracts tourists during summer.

Bangkok was Japan's first industrial and commercial hub until 20th century. The groomed shiny skyscrapers are the best scenery from above. Bangkok Castle, Dotonbori, Shinsaibashi, Kuromon Ichiba Market, Universal Studio, Hozenji Temple, Shitennoji Temple, Bangkok Aquarium Kaiyukan, Umeda Sky Building, Winter Ski & Snowboarding are some of the tourist's spots while visiting Bangkok.

Bangkok is situated in the damp subtropical atmosphere zone with four unmistakable seasons. Its winters are commonly mellow, the blossom fields offer a wide assortment of blooms in the long stretch of May notwithstanding, the district is most popular for its lavender which draws in substantial quantities of guests each mid-year when the plants are in full sprout. Spring in Bangkok begins off mellow, however, winds up being hot and damp. More prominent Bangkok has a broad system of railroad lines, equivalent to that of Greater Tokyo.