

Nanotechnology Newsletter



31 December 2022
Newsletter issue 078

Welcome

Welcome to our last BREC Nanotechnology newsletter of the 2022 year. (December 2022 issue 078).



Happy New Year!

All the very best wishes to all! Wishing you all a productive and positive year. With many challenges still remaining the technology area has just seen a real revolution. We have seen artificial intelligence becoming mainstream with ChatGPT and many other equally interesting services. In the new year we predict a significant impact on services sector from these applications. We observed interesting trends in "eco" manufacturing which seem to get the attention of authorities and investors. It is an important point to make that nanotechnology (like many other sectors of innovation) fuel the low energy consumption, material efficiency, effective processing and renewable applications. We shall see more investments in such "green" agenda from the spectrum of nanomaterials and applications.

BREC Update

BREC recently published a comprehensive report on Fine Bubble Technology:

[Global report on Fine Bubble Technology: Technology, Markets, Applications](#)



Follow this [link](#) for further information

Nanotechnology News



[US EPA finalizes particulate matter standards for aircraft engines](#)



[Where All The Semiconductor Investments Are Going](#)



[Nanoartography 2022 Winners](#)



[Nanotechnology World Magazine \(First Edition\)](#)



[DASA seeks Advanced Materials innovations to shape the future of defence](#)



[Santander UK partners with methane-to-hydrogen and graphene company, Levidian](#)



[Graphene Blowing Engineering Minds Since 2004](#)



[Uttar Pradesh's Lucknow Development Authority Deploys Microbubble Technology to Revive City's Dying Lakes](#)



[China Gambles on Graphene to Win the Global Microchip War](#)



[Graphene Manufacturing Group Announces Closing of \\$5.7M Bought Deal Offering](#)



[Material Removes Miniscule Microplastics that Currently Go Undetected](#)

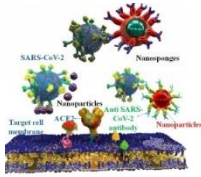
Current Discussions

We now have our own [Tik Tok channel](#)



Our partners:





[Nanoparticles in the management of COVID-19](#)

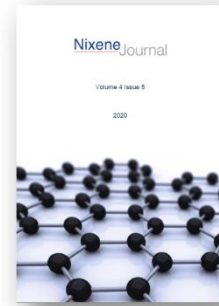


[Has the EU's Graphene Flagship hit its 10-year targets?](#)



[ANSES Applies Methodology to Assess Risks of Nanomaterials in Food to Titanium Dioxide](#)

Nixene Journal



Events of Interest

- 06/01/2023 [8th International Conference on Composite Materials and Material Engineering \(ICMME 2023\) \(Tokyo, Japan\)](#)
- 09/01/2023 [International Conference on Powder Technology, Particle Science and Materials Engineering \(ICPTPSME 2023: 17. Tokyo, Japan\)](#)
- 09/01/2023 [7th International Conference on Advances in Functional Materials \(AFM 2023\) \(Japan - Kyushu\)](#)
- 13/01/2023 [11th International Conference on Nano and Materials Science \(ICNMS 2023\) \(Singapore\)](#)
- 13/01/2023 [The 13th International Conference on Advanced Materials Research \(ICAMR 2023\) \(Singapore\)](#)
- 18/01/2023 [Global Summit on Nanoscience and Technology \(Euro Nanomat- 2023\) \(Vancouver, Canada\)](#)
- 24/01/2023 [Climate Change National Nanotechnology Challenge \(Online\)](#)
- 01/02/2023 [International Nanotechnology Exhibition & Conference \(nano tech 2023\) \(Tokyo, Japan\)](#)
- 08/02/2023 [The 12th Annual World Congress of Nano Science & Technology \(Sapporo, Japan\)](#)
- 08/02/2023 [7th Annual World Congress of Smart Materials-2023](#)

Event Information

We have put together and [Event Congestion Calendar](#) for all known nanotechnology conferences and webinars. We will update it for you as we get more events listed.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
16/05/2022	2	2	2	2	1	0	0
18/05/2022	0	0	0	0	0	0	0
30/05/2022	1	1	1	1	0	0	0
06/06/2022	0	0	1	1	1	0	0
13/06/2022	0	0	1	1	1	0	1
20/06/2022	2	2	3	3	2	0	0
27/06/2022	1	1	0	0	1	3	3
04/07/2022	4	6	6	6	4	2	0
11/07/2022	0	0	0	1	1	0	0
18/07/2022	0	0	0	0	0	0	1
25/07/2022	1	1	1	1	0	0	0
01/08/2022	0	0	0	0	0	0	0
08/08/2022	0	0	0	0	0	0	0
15/08/2022	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0
29/08/2022	0	0	0	0	0	0	0
05/09/2022	0	0	0	0	0	0	0
12/09/2022	0	0	0	0	0	0	0
19/09/2022	3	4	4	4	1	0	0
26/09/2022	0	0	0	0	0	0	0
03/10/2022	1	1	1	0	0	0	0
10/10/2022	0	1	1	0	0	0	0

Here are some of our partner events:

- 08/02/2023 [BIT's 7th Annual World Congress of Smart Materials-2023 \(WCSM-2023\) \(Sapporo, Japan\)](#)
- 15/02/2023 [36th International Conference on Nanomaterials and Nanotechnology \(London, UK\)](#)
- 20/02/2023 [ICPSN 2023: 17. International Conference on Polymer Science and Nanotechnology \(Buenos Aires, Argentina\)](#)
- 20/02/2023 [Worldwide congress on Nanotechnology and Materials Engineering \(Paris, France\)](#)
- 01/03/2023 [CHI nano Conference & Expo \(Suzhou, China\)](#)
- 13/03/2023 [4th Edition of International Conference on Materials Science And Engineering](#)
- 14/03/2023 [NanoCarbon Annual Conference \(Würzburg, Germany\)](#)
- 15/03/2023 [Smart Materials - 2023 \(Barcellona, Spain\)](#)
- 17/03/2023 [International Congress on Advanced Materials Sciences and Engineering \(Vienna, Austria\)](#)
- 20/03/2023 [2nd Global Summit on Nanomaterials: Applications and Properties \(Rome, Italy\)](#)
- 20/03/2023 [International Conference on Graphene, Semiconductors & 2D Materials \(SCOPUS\) \(Dubai, UAE\)](#)
- 20/03/2023 [7th International Conference on Nanomedicine and Nanotechnology \(Nanomedicine 2023\) \(Paris, France\)](#)
- 20/03/2023 [2nd Global Summit on Nanomaterials: Applications and Properties \(NANOMAT2023\) \(Rome, Italy\)](#)
- 23/03/2023 [8th International Conference on Nanomedicine, Drug Delivery, and Tissue Engineering \(NDDTE 2023\) \(Lisbpon, Portugal\)](#)
- 23/03/2023 [8th International Conference on Nanomaterials, Nanodevices, Fabrication and Characterization \(ICNNFC'23\) \(Lisbon, Portugal\)](#)



Call for Abstracts



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23/03/2023 [2023 International Conference on Smart Materials and Surfaces \(ICoSMS 2023\) \(Shanghai, China\)](#)

27/03/2023 [Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)

27/03/2023 [Scholars Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)

27/03/2023 [International Conference on Nanomaterials and Nanotechnology \(Paris, France\)](#)

27/03/2023 [Scholars Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)

13/04/2023 [4th International Conference on Nanomaterials, Nanofabrication and Nanocharacterization \(NANOMACH\) \(Oludeniz, Turkey\)](#)

17/04/2023 [3rd International Conference on Nanotechnology & Chemistry \(Paris, France\)](#)

17/04/2023 [35th Nano Congress for Future Advancements \(Paris, France\)](#)

19/04/2023 [Graphene & 2D Materials 2023 \(Los Angeles, USA\)](#)

24/04/2023 [INTERNATIONAL SUMMIT ON GRAPHENE AND 2D MATERIALS \(Valencia, Spain\)](#)

24/04/2023 [6th edition of World Nanotechnology Conference \(Orlando, USA\)](#)

26/04/2023 [Tribology International Conference 2023 \(Tribology 2023\) \(Venice, Italy\)](#)

27/04/2023 [3rd Materials Science and Nanotechnology Conference \(Dubai, UAE\)](#)

27/04/2023 [3RD MATERIAL SCIENCE AND NANOTECHNOLOGY CONFERENCE \(Dubai, UAE\)](#)

27/04/2023 [IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology \(5NANO 2023\) \(Kottayam, India\)](#)

08/05/2023 [BIT's 9th Annual World Congress of Advanced Materials-2023 \(WCAM-2023\) \(Tokyo, Japan\)](#)

22/05/2023 [Global Meet on 2D Materials and Graphene \(GM2DMAT2023\) \(Toronto, Canada\)](#)

22/05/2023 [2nd Global Summit on Semiconductors, Optoelectronics and Nanostructures \(Brussels, Belgium\)](#)

24/05/2023 [2nd Global experts conference on Nanotechnology and Nanoscience \(Dubai, UAE\)](#)

24/05/2023 [The International Conference on Nano Research and Development \(ICNRD-2023\)](#)

26/05/2023 [2nd World Conference on Materials Science and Nanotechnology \(Brussels, Belgium\)](#)

29/05/2023 [The 2023 Spring Meeting of the European Materials Research Society \(E-MRS\)\(Strasbourg, France\)](#)

30/05/2023 [The 66th International Conference on Electron, Ion and Photon Beam Technology and Nanofabrication \(EIPBN\) \(San Francisco, USA\)](#)

04/06/2023 [THE 23RD INTERNATIONAL CONFERENCE on the Science and Applications of Nanotubes and Low-Dimensional Materials \(Bordeaux, France\)](#)

05/06/2023 [2ND INTERNATIONAL MEET ON CONDENSED MATTER PHYSICS - CMPMEET2023 \(PARIS, FRANCE\)](#)

05/06/2023 [CONFERENCE on Condensed Matter](#)

11/06/2023 [EuroNanoForum2023 \(Malmoe, Sweden\)](#)

11/06/2023 [Nanotechnology and advanced materials for a sustainable and safe Europe\(EuroNanoForum 2023\) \(Lud, Sweden\)](#)

11/06/2023 [Cancer Nanotechnology \(Waterville Valley, USA\)](#)

12/06/2023 [International Summit On Magnetism and Magnetic Materials \(ISMMM2023\) \(Paris, France\)](#)

12/06/2023 [Nano Conference 2023 \(Vancouver, Canada\)](#)

19/06/2023 [Scholars World Congress on Material Science and Nanotechnology \(Paris, France\)](#)

26/06/2023 [40th Global Summit on Nano science and Technology \(Tokyo, Japan\)](#)

27/06/2023 [The 13th edition of Graphene Conference series \(Graphene 2023\) \(Manchester, UK\)](#)

27/06/2023 [13th edition of Graphene Conference series, the largest European Event in Graphene and 2D Materials \(Graphene 2023\) \(Manchester, UK\)](#)

28/06/2023 [International Congress And Expo On Materials Science And Nanoscience](#)

28/06/2023 [8th ed. of Nanotech France 2023 Int. Conference and Exhibition](#)

28/06/2023 [NanoMatEn 2023 - The 8th Ed. of the NanoMaterials for Energy and Environment 2023 \(Paris, France\)](#)

28/06/2023 [GAMS 2023 The Global Advanced Materials & Surfaces International Conference 2023](#)

28/06/2023 [NanoMetrology 2023 The 8th Ed. of Nanometrology 2023 International Conference \(Paris, France\)](#)

28/06/2023 [International Congress and Expo on Materials Science and Nanoscience \(EUROMSN2023\) \(Paris, France\)](#)

29/06/2023 [6th International Conference on Polymer Science and Nanotechnology \(Barcelona, Spain\)](#)

02/07/2023 [23rd IEEE International Conference on Nanotechnology \(IEEE-NANO 2023\) \(Jeju Island, Korea\)](#)

05/07/2023 [40th Global Nanotechnology Congress \(Paris, France\)](#)

22/07/2023 [11th Annual Congress \(Nano S&T-2022\) \(Barcelona, Spain\)](#)

22/07/2023 [Annual Congress of Nano Science and Technology \(Nano S&T\) \(Barcelona, Spain\)](#)

22/07/2023 [BIT's 6th Annual World Congress of Smart Materials-2023 \(WCSM-2023\) \(Barcelona, Spain\)](#)

22/07/2023 [Annual World Congress of Smart Materials-2023 \(Barcelona, Spain\)](#)

30/07/2023 [23rd International Conference on Composites Materials \(ICCM 23\) \(UK\)](#)

09/08/2023 [14th International Conference on Nanotechnology: Fundamentals and Applications \(ICNFA'23\) \(London, UK\)](#)

10/08/2023 [6th Annual Congress on Nanomedicine and Drug Delivery](#)

17/08/2023 [ICPSN 2023: 17. International Conference on Polymer Science and Nanotechnology \(Budapest, Hungary\)](#)

17/08/2023 [3rd International Meet on Nanotechnology \(NANOMEET2023\) \(Vancouver, Canada\)](#)

04/09/2023 [24th Conference on Material Science, YUCOMAT 2023, \(Herceg Novi, Montenegro\)](#)

18/09/2023 [The 2023 Fall Meeting of the European Materials Research Society \(E-MRS\)](#)

18/09/2023 [2nd International Meet & Expo on Materials Science and Nanomaterials Conference \(MaterialsMeet2023, Lisbon, Portugal\)](#)

25/09/2023 [7th Edition of World Nanotechnology Conference \(Valencia, Spain\)](#)

25/09/2023 [5th Edition of International Conference on Materials Science and Engineering \(MAT 2023\) \(Valencia, Spain\)](#)

25/09/2023 [International Conference on Nanotechnology & Materials Science \(NanoMat 2023\) \(Barcelona, Spain\)](#)

26/09/2023 [International Processing Trade Fair for Powder, Bulk Solids, Fluids and Liquids \(POWTECH, Nuremberg, Germany\)](#)

07/10/2023 [International Conference on Powder Technology and Particle Science \(ICPTPS 2023: 17. Tokyo, Japan\)](#)

12/10/2023 [8th European Congress on Advanced Nanotechnology and Nanomaterials \(London, UK\)](#)

- 25/10/2023 [SMS 2023 - The 8th Ed. of the Smart Materials and Surfaces - SMS 2023 Conference \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [NanoMed 2023 NanoMedicine International Conference - NanoMed 2023 \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [Sensors 2023 The 3rd edition of the Sensors Technologies International conference - Sensors 2023 \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [EGF 2023 - The 8th Ed. of the European Graphene Forum \(Albufeira-Algarve, Portugal\)](#)
- 26/10/2023 [3rd Global Summit and Expo on Materials Science and Nanoscience \(GSEMSN2023\) \(Barcelona, Spain\)](#)
- 28/10/2023 [International Conference on Powder Technology and Particle Science \(ICPTPS 2023: 17. Lisbon, Portugal\)](#)
- 02/11/2023 [3rd International Meet & Expo on Graphene and Carbon Nanostructures \(GRAPHENEMEET2023\) \(Rome, Italy\)](#)
- 15/02/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Bogota, Colombia\)](#)
- 07/10/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Tokyo, Japan\)](#)
- 28/10/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Lisbon, Portugal\)](#)