

# Nanotechnology Newsletter

19 December 2020

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Newsletter issue 071

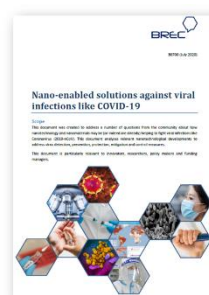
## Welcome



Welcome to our latest Nanotechnology newsletter. We are very sorry for not being able to send out more newsletters this year. It was basically due to an overflow of new projects, old projects and new enquiries we could not turn down. We have never been busier. We had a great opportunity to give (Zoom) presentations at various events, finally published [ACSNano](#) article and (with our partners) were successful in getting two EU projects funded. We are also working on a number of technology focused reports to come out in 2021. Our work on ISO Standards has advanced significantly for PTA ([ISO 19430](#)) and SMLS ([ISO/TS 21357](#)) and we thank all our experts and partners in this work.

## BREC Update

Over the summer we issued a short study on the impact of Covid-19 on a relevant nanotechnology applications. Results of market changes were staggering. First version of this report is still available here [[follow this link](#)]. Further revision will be issued in January 2021.



From all of us at BREC and associated network of experts:

**Merry Christmas  
and  
Happy New 2021!**



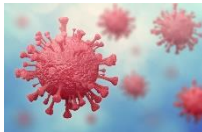
## Nanotechnology News



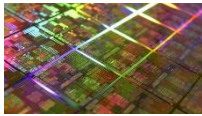
[EU Plans to Review the Definition of a Nanomaterial](#)



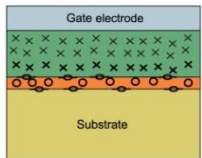
[New safety data sheet requirements for nanomaterials](#)



[Covid-19 and graphene, a current overview](#)



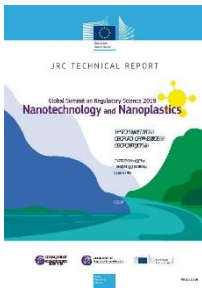
[Mainland Chinese Foundry SMIC Builds Its First 14nm FinFET SoC for Huawei](#)



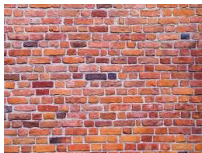
[Insulators for 2D nanoelectronics: the gap to bridge](#)



[Why U.S. Graphene manufacturers should be utilizing 'REACH' Graphene Consortium](#)



[Global Summit on Regulatory Science 2019 Nanotechnology and Nanoplastics](#)



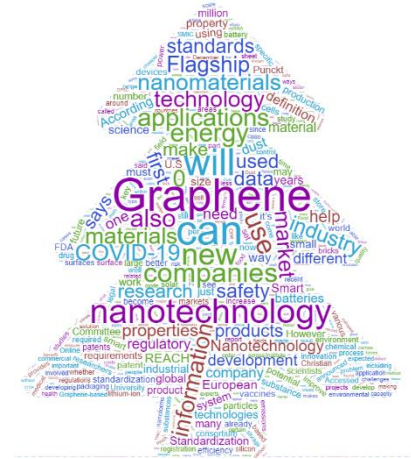
[Nanotechnology Turns House Bricks Into Batteries Paving Way to Becoming Literal Powerhouses in the Future](#)



[Nanosys Raises \\$20M in Financing](#)

## News Wordcloud

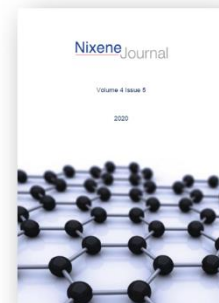
December news word cloud:

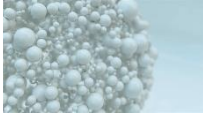


Our partners:



Nixene Journal





[Advancements in Nanotechnology-Based Smart Dust](#)



[What do EU citizens think about nanomaterials?](#)



[ANSES Evaluates R-Nano Register, Offers Recommendations to Improve Reliability and Optimize Its Use](#)



[Cicada's Antimicrobial Nanotechnology Solution for COVID-Free Surfaces](#)



[EU Observatory for Nanomaterials: a constructive view on future regulation](#)



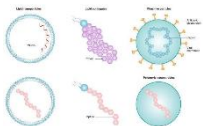
[Graphene gets real: Meet the entrepreneurs bringing the wonder substance to market](#)



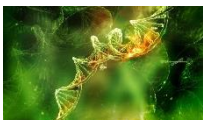
[Graphene Flagship Works Towards European Sustainability Goals](#)



[Turkey, Czechia eye cooperation on nanotechnology](#)



[How Nanotechnology Helped Create mRNA COVID-19 Vaccines](#)



[Nanotechnology in the Pandemic and What the Future Holds for Regulation](#)



[World's First Graphene Standardization Certificate and Awards](#)



### [Nanotechnology in Medicine: Regulatory Trends](#)



### [EFSA Consults on Draft Guidance on Technical Requirements for Regulated Food and Feed Product Applications to Establish the Presence of Small Particles, Including Nanoparticles](#)

## Events of Interest

- 24 December 2020 [ICNB 2020: Nano and Biomaterials Conference, \(Vienna\)](#)
- 24 December 2020 [ICENE 2020: Electronics and Nanoscale Engineering Conference, \(Vienna\)](#)
- 24 December 2020 [ICMNSCLS 2020: Micro-Nano Systems for Chemistry and Life Sciences Conference, \(Vienna\)](#)
- 24 December 2020 [ICBN 2020: Biosensors and Nanobiotechnology Conference, \(Vienna\)](#)
- 24 December 2020 [ICANAT 2020: Advanced Nanorobotics, Approaches and Techniques Conference, \(Vienna\)](#)
- 28 December 2020 [International Conference on Multifunctional Nanomaterials 2020 - \(ICMN 2020\) \(Online\)](#)
- 11 January 2021 [2021 NNI Strategic Planning Stakeholder Workshop: Charting the Path Forward \(Online\)](#)
- 11 January 2021 [27th International Conference on Advanced Materials, Nanotechnology and Engineering \(Webinar\)](#)
- 11 January 2021 [37th World Congress on Materials Science and Nanotechnology \(Webinar\)](#)
- 19 January 2021 [Graphene from the Buyer's Perspective – The Power of Standardisation](#)
- 20 January 2021 [The 2nd NanoFabNet Development Workshop \(Online\)](#)
- 25 January 2021 [Nanotechnology and Nanoscience iNano-2021 \(Webinar\)](#)

## Contact Information

### Event Word Cloud



Please note that emergence of the "Webinar" as the means of event delivery.



- 26 January 2021 [9th International Conference on Nano and Materials Science ICNMS 2021 \(Atlanta, USA\)](#)
- 26 January 2021 [Food Toxicology Conference 2021- Opportunities and Challenges for safe use of nanomaterials in food \(Singapore\)](#)
- 01 February 2021 [ICANM 2021 2021 International Conference on Advanced Nanomaterials \(Sanya, China\)](#)
- 01 February 2021 [International Conference on Nanoscience and Nanotechnology \(Online\)](#)
- 15 February 2021 [ICPSN 2021: 15. International Conference on Polymer Science and Nanomaterials \(Dubai, United Arab Emirates\)](#)
- 15 February 2021 [ICNPN 2021: 15. International Conference on Nanomaterials and Polymer Nanocomposites \(Istanbul, Turkey\)](#)
- 15 February 2021 [ICAFM 2021: 15. International Conference on Advanced Functional Materials \(Istanbul, Turkey\)](#)
- 18 February 2021 [ICNN 2021: 15. International Conference on Nanoscience and Nanotechnology \(Rome, Italy\)](#)
- 19 February 2021 [International Conference On Microfluidics \(Online\)](#)
- 25 February 2021 [ICRAPN 2021: 15. International Conference on Recent Advances in Polymer Nanocomposites \(Tokyo, Japan\)](#)
- 25 February 2021 [ICNMPC 2021: 15. International Conference on Nanostructured Materials, Processing and Characterization \(Tokyo, Japan\)](#)
- 25 February 2021 [ICN 2021: 15. International Conference on Nanotechnology \(Tokyo, Japan\)](#)
- 26 February 2021 [29th International Conference on Nanomedicine and Nanomaterials \(Webinar\)](#)
- 26 February 2021 [24th World Nanotechnology Congress \(Webinar\)](#)
- 01 March 2021 [The Arab International Conference on Nanotechnology \(Kuwait\)](#)
- 02 March 2021 [NanoCarbon Annual Conference 2021](#)

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- 04 March 2021 [ICNS 2021: 15. International Conference on Nanomaterials and Structures \(Barcelona, Spain\)](#)
- 04 March 2021 [ICBNN 2021: 15. International Conference on Biomedical Nanoscience and Nanotechnology \(Rome, Italy\)](#)
- 10 March 2021 Smart Materials (Barcelona, Spain)
- 11 March 2021 [ICNMN 2021: 15. International Conference on Nanostructured Materials and Nanotechnology \(Miami, United States\)](#)
- 18 March 2021 [3rd Global Conference On Carbon Nanotubes And Graphene Technologies \(Osaka, Japan\)](#)
- 18 March 2021 [3rd International Conference On Advances in Mechanical Engineering and Nanotechnology - \(ICAMEN 2021\) \(Uttarakhand, India\)](#)
- 22 March 2021 [5TH GLOBAL CONGRESS AND EXPO ON CONDENSED MATTER AND APPLIED PHYSICS \(Athens, Greece\)](#)
- 22 March 2021 [3rd Global Congress on Polymer Chemistry Biopolymers \(Dubai, UAE\)](#)
- 22 March 2021 [34th International Conference on Advanced Nanoscience and Nanotechnology \(Webinar\)](#)
- 23 March 2021 [2021 the 6th International Conference on Nanotechnology and Nanomaterials in Energy \(Osaka, Japan\)](#)
- 23 March 2021 [5th International Conference on Materials Engineering and Nano Sciences \(ICMENS 2021\) \(Osaka, Japan\)](#)
- 24 March 2021 [Applied Nanotechnology and Nanoscience International Conference – ANNIC 2021 \(Online\)](#)
- 24 March 2021 [INTER NANO POLAND 2021 \(Katowice, Poland\)](#)
- 25 March 2021 [12th Global Nanotechnology Congress and Expo \(Valencia, Spain\)](#)
- 25 March 2021 [Advanced Materials Science for Innovations in Technology](#)

- 25 March 2021 [12th Global Nanotechnology Congress and Expo Nanotechnology \(Valencia, Spain\)](#)
- 25 March 2021 [ICNMMAS 2021: 15. International Conference on Nanomaterials, Microstructure, Macrostructure and Atomic Structure \(Tokyo, Japan\)](#)
- 25 March 2021 [ICCN 2021: 15. International Conference on Composites and Nanoengineering \(Madrid, Spain\)](#)
- 25 March 2021 [International Conference on Nano Research and Development \(Singapore\)](#)
- 26 March 2021 [34th International Conference on Nanomaterials and Nanotechnology Webinar\)](#)
- 05 April 2021 [ICSMNN 2021: 15. International Conference on Smart Materials, Nanoscience and Nanotechnology \(Dubai, United Arab Emirates\)](#)
- 05 April 2021 [ICNMN 2021: 15. International Conference on Nanostructured Materials and Nanotechnologies \(Cancun, Mexico\)](#)
- 08 April 2021 [ICNMM 2021: 15. International Conference on Nanomaterials, Microstructure and Macrostructure \(Athens, Greece\)](#)
- 12 April 2021 [2nd Global Congress and Expo on Solid States & Materials-2020 \(Budapest, Hungary\)](#)
- 12 April 2021 [12TH GLOBAL NANOTECHNOLOGY CONGRESS AND EXPO \(Budapest, Hungary\)](#)
- 12 April 2021 [Global Summit and Expo on Nanotechnology and Nanomaterials - GSENN-2021 \(Osaka, Japan\)](#)
- 19 April 2021 [ICNNN 2021: 15. International Conference on Nanostructures, Nanomaterials and Nanoengineering \(Paris, France\)](#)
- 19 April 2021 [ICNNA 2021: 15. International Conference on Nanoscience, Nanoengineering and Applications \(Paris, France\)](#)
- 19 April 2021 [2nd Edition of World Nanotechnology Conference \(Orlando, USA\)](#)

- 19 April 2021 [2021 International Conference on Frontiers of Nanomaterials and Nanotechnology \(NanoMT 2021\) \(Singapore\)](#)
- 20 April 2021 [NanoTox2021](#)
- 20 April 2021 [10th International Conference on Nanotoxicology](#)
- 22 April 2021 [4th International Conference on Electronics and Electrical Engineering \(Seoul, South Korea\)](#)
- 22 April 2021 [ICNAS 2021: 15. International Conference on Nanomaterials and Atomic Structure \(New York, United States\)](#)
- 23 April 2021 [3rd International Conference on Nanomedicine and Nanotechnology \(webinar\)](#)
- 28 April 2021 [33rd Nano Congress for Future Advancements \(London, UK\)](#)
- 29 April 2021 [ICNPM 2021: 15. International Conference on Nanotechnology and Polymetric Materials \(Jerusalem, Israel\)](#)
- 29 April 2021 [5NANO 2021 : International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology \(Kottayam, India\)](#)
- 29 April 2021 [2021 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology - \(5NANO 2021\) \(India\)](#)
- 03 May 2021 [ICNB 2021: 15. International Conference on Nanotechnology and Biosensors \(Rome, Italy\)](#)
- 07 May 2021 [International Scientific Network of Nanostructured and Advanced Materials 2021 - \(ISNNAM 2021\)](#)
- 10 May 2021 [2nd International Conference on Nanotechnology and Artificial Intelligence \(Amsterdam, Netherlands\)](#)
- 11 May 2021 [10th World Congress of Nano S&T 2021 \(Macao, China\)](#)



- 17 May 2021 [ASTM E56 \(Nanotechnologies\) Sheraton Centre Toronto; Toronto, ON CA](#)
- 17 May 2021 [Global Summit and Expo on Materials Science and Engineering - GSEMSE2021 \(Valencia, Spain\)](#)
- 19 May 2021 [9th Annual World Congress of Advanced Materials \(WCAM-2021\) \(Osaka, Japan\)](#)
- 19 May 2021 [The 10th Annual World Congress of Nano Science & Technology \(Nano-S&T 2021\)\(Osaka, Japan\)](#)
- 21 May 2021 [9th International conference on Materials Research & Technology \(Osaka, Japan\)](#)
- 21 May 2021 [18th Nanotechnology and Nano Medicine \(Osaka, Japan\)](#)
- 23 May 2021 [5th International Conference of Theoretical and Applied Nanoscience and Nanotechnology \(TANN'21\)](#)
- 23 May 2021 [5th International Conference of Theoretical and Applied Nanoscience and Nanotechnology \(TANN'21\) \(Niagara Falls , Canada\)](#)
- 24 May 2021 [20th World Congress on Material Chemistry & Nano Materials \(Dubai, UAE\)](#)
- 24 May 2021 [4th Global Conference On Magnetism And Magnetic Materials \(London, UK\)](#)
- 06 June 2021 [Environmental Nanotechnology Gordon Research Conference \(Newry, USA\)](#)
- 07 June 2021 [The IEEE international conference on Design & Test of integrated micro & nano-Systems \(Sfax, Tunisia\)](#)
- 08 June 2021 [International Conference and Exhibition on Nanotechnology \(Seoul, South Korea\)](#)
- 09 June 2021 [NanoTech Poland 2021 - 11th International Conference \(Poznań, Poland\)](#)
- 17 June 2021 [2nd World NANO Intellects 2021 \(Berlin, Germany\)](#)
- 20 June 2021 [Nanosafety Training School: From Basic Science To Risk Governance \(Venice, Italy\)](#)

26 June 2021	<a href="#"><u>2021 IEEE the 4th International Conference on Nanoscience and Technology (ICNST) (Chengdu, China)</u></a>
03 July 2021	<a href="#"><u>Nanotexnology - ISSON21 (Thesaloniki, Greece)</u></a>
05 July 2021	<a href="#"><u>Nanotexnology - EXPO21 (Thesaloniki, Greece)</u></a>
06 July 2021	<a href="#"><u>Nanotexnology - NN21 (Thessaloniki, Greece)</u></a>
07 July 2021	<a href="#"><u>The Advanced Materials Show (Coventry, UK)</u></a>
07 July 2021	<a href="#"><u>Nanotexnology - ISFOE21 (Thessaloniki, Greece)</u></a>
07 July 2021	<a href="#"><u>33rd International Conference and Expo on Nanosciences and Nanotechnology (Valencia, Spain)</u></a>
12 July 2021	<a href="#"><u>13th International Conference and Expo on Nanotechnology &amp; Nanomaterials (iNanotech-2021) (Barcelona, Spain)</u></a>
12 July 2021	<a href="#"><u>13th International Conference And Expo On Nanotechnology &amp; Nanomaterials (Barcelona, Spain)</u></a>
12 July 2021	<a href="#"><u>3rd International Conference on MATERIALSCIENCE&amp;NANOTECHNOLOGY (Lisbon,Portugal)</u></a>
19 July 2021	<a href="#"><u>Nano 2021 : International Conference on Advance Materials Science and Graphene Nano Technology (Manchester University)</u></a>
28 July 2021	<a href="#"><u>The 21st IEEE International Conference on Nanotechnology</u></a>
05 August 2021	<a href="#"><u>12th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'21)</u></a>
13 August 2021	<a href="#"><u>International Congress on Nano Technology 2021 (Hong Kong)</u></a>
16 August 2021	<a href="#"><u>36th International Conference on Advanced Nanotechnology (London, UK)</u></a>
22 August 2021	15th International Conference on the Environmental Effects of Nanoparticles and

- Nanomaterials (ICEENN2020) (Montréal, Québec, Canada)
- 30 August 2021 [23rd Annual Conference YUCOMAT 2021 \(Herceg Novi, Montenegro\)](#)
- 06 September 2021 [NanoBio Conference \(Heraklion, Crete\)](#)
- 08 September 2021 [19th International Conference on Emerging Materials and Nanotechnology \(Berlin, Germany\)](#)
- 04 October 2021 [21st edition of Trends in Nanotechnology International Conference \(TNT2021\) \(Tirana, Albania\)](#)
- 04 October 2021 [NANO.IL 2021 \(Jerusalem, Israel\)](#)
- 12 October 2021 [6th International Conference and Exhibition on Nanotechnology, Artificial Intelligence and IOT \(Webinar\)](#)
- 13 October 2021 [The Nanotechnology Show \(New Jersey, USA\)](#)
- 13 October 2021 [The Nanotechnology Show \(Edison, USA\)](#)
- 17 October 2021 [7th International Conference on Nanomaterials, Nanodevices, Fabrication and Characterization \(ICNNFC'21\) \(London, UK\)](#)
- 17 October 2021 [7th World Congress on Recent Advances in Nanotechnology \(RAN'21\) \(London, England\)](#)
- 20 October 2021 [13TH INTERNATIONAL CONFERENCE ON NANOMATERIALS - RESEARCH & APPLICATION](#)
- 21 October 2021 [37th Global Summit on Nanoscience and Technology \(Webinar\)](#)
- 21 October 2021 [37th Global Nanotechnology Congress \(Webinar\)](#)
- 25 October 2021 [32nd World Nano Conference \(Zurich, Switzerland\)](#)
- 27 October 2021 [Seventh International Conference on Multifunctional, Hybrid and Nanomaterials \(Genoa, Italy\)](#)
- 04 November 2021 [International Conference on Material Science and Nanotechnology \(Webinar\)](#)

- 12 November 2021 [28th International Conference on Materials Science and Nanotechnology \(Paris, France\)](#)
- 15 November 2021 [ASTM E56 \(Nanotechnologies\) Atlanta Marriott Marquis; Atlanta, GA US](#)
- 15 November 2021 [34th International Conference on Nanotechnology & Expo](#)
- 15 November 2021 [7th Nano Today Conference \(Guangzhou Science City, China\)](#)
- 15 November 2021 [34th International Conference on Nanotechnology & Expo \(Madrid, Spain\)](#)
- 15 November 2021 [26th International Conference on Advanced Materials & Nanotechnology \(Madrid, Spain\)](#)
- 16 November 2021 [Smart Materials 2021 \(Amsterdam, Netherlands\)](#)
- 23 November 2021 [Nano Singapore 2021 conference and exhibition](#)
- 06 December 2021 [2nd International Conference on Microfluidics \(Rome, Italy\)](#)
- 08 May 2022 [ASTM E56 \(Nanotechnologies\) Sheraton Denver Downtown Hotel; Denver, CO US](#)
- 16 May 2022 [ASTM E56 \(Nanotechnologies\) Hyatt Regency Seattle; Seattle, WA US](#)
- 31 October 2022 [ASTM E56 \(Nanotechnologies\) Sheraton New Orleans; New Orleans, LA US](#)

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