

Nanotechnology Newsletter

31 January 2021

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Newsletter issue 072

Welcome



Welcome to our latest Nanotechnology newsletter. This is our first newsletter of the 2021. We hope this year will be more productive than the last. As always we try to bring the latest news to our community. The most significant publication was the roadmap published by the Graphene Flagship project. OECD WPMN has also published their latest report about Safe(r)-by-design concept and related issues. A great deal of news covered the microplastics issue (we seem to find them everywhere). Sila Nanotechnologies stunned the community by raising \$590M of investment. National news from Iran and Cuba have also caught our eye.

BREC Update

We focused on standards work this month with a lot of work in Graphene to follow. We are anticipating a publication of TS 21356-1 Nanotechnologies – Structural characterization of graphene – Part 1: Graphene from powders and dispersions. This is key document for Graphene community. Development of other standards like PTA (ISO 19430) and SMLS (ISO/TS 21357) is progressing well. PTA document new draft was circulated for comments and we are very close to resolving all remaining comments for the SMLS document.

We would like to also welcome new interns joining BREC Consulting Network. It is very good to see new talent joining our projects.

Nanotechnology News



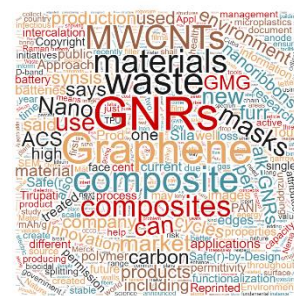
[The Graphene Flagship Technology and Innovation Roadmap](#)



[OECD publishes "Moving Towards a Safe\(r\) Innovation Approach \(SIA\) for More Sustainable Nanomaterials and Nano-enabled Products" - part 96 of the](#)

News Wordcloud

January news word cloud:



[Safety of Manufactured Nanomaterials series](#)



[Versarien puts graphene sportswear through its paces](#)



[Tirupati enhances its high-end graphene capabilities with technological advances and the appointment of a leading expert in the field](#)



[Health, Environment, and Justice Organizations Seek Clarification from ECHA on Nano and Biocidal-Treated Products](#)



[Sila Nanotechnologies raises \\$590M to fund battery materials factory](#)



[Iran exporting Nanotech products to 50 countries](#)



[Cuban scientists use nanotechnology for combating COVID-19](#)



[Why masks are the new plastics menace](#)



[Production and Applications of Graphene Nanoribbons \(GNRs\)](#)

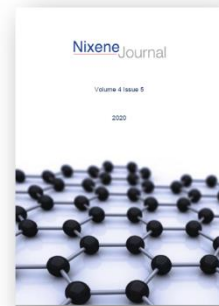


[Highways England to study link between road water and microplastics](#)

Our partners:



[Nixene Journal](#)



- 02 March 2021 [NanoCarbon Annual Conference 2021](#)
- 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 \(Katowice, Poland\)](#)
- 24 March 2021 [Nanotechnology and Nanomedicine iNano-2021 \(Webinar\)](#)

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- 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 \(Osaka, Japan\)](#)
- 14 April 2021 [Graphene, Nano Carbon & 2D Materials: Applications and Commercialization \(TechBlick online\)](#)

- 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 \(Rome, Italy\)](#)
- 5 May 2021 [EuroNanoForum 2021 international online conference \(Online\)](#)

- 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 \(Macao, China\)](#)
- 11 May 2021 [Quantum Dot: Material Innovations & Commercial Applications \(TechBlick online\)](#)
- 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 \(TANN'21\) \(Niagara Falls , Canada\)](#)
- 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 \(Poznań, Poland\)](#)
- 14 June 2021 3rd OECD Thematic Conference Advanced Materials – Recommendations for action on chemical safety: A way forward to meet challenges posed by Advanced Materials. (Berlin, Germany)
- 17 June 2021 [2nd World NANO Intellects 2021 \(Berlin, Germany\)](#)
- 20 June 2021 [Nanosafety Training School: From Basic Science To Risk Governance \(Venice, Italy\)](#)
- 22 June 2021 21st OECD Meeting of the Working Party on Manufactured Nanomaterials (WPMN) (Paris, France)
- 23 June 2021 [The 6th ed. of Nanotech France 2021 Int. Conference and Exhibition \(Paris, France\)](#)
- 26 June 2021 [2021 IEEE the 4th International Conference on Nanoscience and Technology \(ICNST\) \(Chengdu, China\)](#)
- 03 July 2021 [Nanotexnology - ISSON21 \(Thesaloniki, Greece\)](#)
- 05 July 2021 [Nanotexnology - EXPO21 \(Thesaloniki, Greece\)](#)
- 06 July 2021 [Nanotexnology - NN21 \(Thessaloniki, Greece\)](#)
- 07 July 2021 [The Advanced Materials Show \(Coventry, UK\)](#)
- 07 July 2021 [Nanotexnology - ISFOE21 \(Thessaloniki, Greece\)](#)
- 07 July 2021 [33rd International Conference and Expo on Nanosciences and Nanotechnology \(Valencia, Spain\)](#)
- 12 July 2021 [13th International Conference and Expo on Nanotechnology & Nanomaterials \(iNanotech-2021\) \(Barcelona, Spain\)](#)
- 12 July 2021 [13th International Conference And Expo On Nanotechnology & Nanomaterials \(Barcelona, Spain\)](#)

- 12 July 2021 [3rd International Conference on MATERIALSCIENCE&NANOTECHNOLOGY \(Lisbon,Portugal\)](#)
- 15 July 2021 [World Congress of Nano Science & Technology-2021 \(Amsterdam, The Netherlands\)](#)
- 19 July 2021 [Nano 2021 : International Conference on Advance Materials Science and Graphene Nano Technology \(Manchester University\)](#)
- 28 July 2021 [The 21st IEEE International Conference on Nanotechnology](#)
- 05 August 2021 [12th International Conference on Nanotechnology: Fundamentals and Applications \(ICNFA'21\)](#)
- 13 August 2021 [International Congress on Nano Technology 2021 \(Hong Kong\)](#)
- 16 August 2021 [36th International Conference on Advanced Nanotechnology \(London, UK\)](#)
- 16 August 2021 [2nd International Conference on Nanotechnology and Nanomaterials](#)
- 22 August 2021 15th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials (ICEENN2020) (Montréal, Québec, Canada)
- 28 August 2021 The 9th International Conference on Nanoscience and Technology (ChinaNANO 2021) (Beijing, China)
- 30 August 2021 [23rd Annual Conference YUCOMAT 2021 \(Herceg Novi, Montenegro\)](#)
- 30 August 2021 [22nd Annual Conference on Material Science of Serbia \(Herceg Novi, Montenegro\)](#)
- 31 August 2021 [chem2Dmat 2021 \(Italy, Bologna\)](#)
- 01 September 2021 [3rd Global Congress on Materials Science & Engineering \(KualaLumpur, Malaysia\)](#)
- 06 September 2021 [NanoBio Conference \(Heraklion, Crete\)](#)

- 08 September 2021 [19th International Conference on Emerging Materials and Nanotechnology \(Berlin, Germany\)](#)
- 13 September 2021 [European/Japanese Molecular Liquids Group EMLG2021 \(Barcelona, Spain\)](#)
- 04 October 2021 [21st edition of Trends in Nanotechnology International Conference \(TNT2021\) \(Tirana, Albania\)](#)
- 04 October 2021 [NANO.IL 2021 \(Jerusalem, Israel\)](#)
- 04 October 2021 [Trends in Nanotechnology TNT2021 \(Tirana, Albania\)](#)
- 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 \(Zurich, Switzerland\)](#)
- 26 October 2021 [Graphene2021 \(Grenoble, France\)](#)
- 27 October 2021 [Seventh International Conference on Multifunctional, Hybrid and Nanomaterials \(Genoa, Italy\)](#)

02 November 2021	<u>Graphene2021 Virtual</u>
04 November 2021	<u>International Conference on Material Science and Nanotechnology (Webinar)</u>
12 November 2021	<u>28th International Conference on Materials Science and Nanotechnology (Paris, France)</u>
15 November 2021	<u>ASTM E56 (Nanotechnologies) Atlanta Marriott Marquis; Atlanta, GA US</u>
15 November 2021	<u>34th International Conference on Nanotechnology & Expo</u>
15 November 2021	<u>7th Nano Today Conference (Guangzhou Science City, China)</u>
15 November 2021	<u>34th International Conference on Nanotechnology & Expo (Madrid, Spain)</u>
15 November 2021	<u>26th International Conference on Advanced Materials & Nanotechnology (Madrid, Spain)</u>
16 November 2021	<u>Smart Materials 2021 (Amsterdam, Netherlands)</u>
23 November 2021	<u>Nano Singapore 2021 conference and exhibition</u>
25 November 2021	<u>4th World Congress on Nano Science & Technology" (Nano Science 2021) (Dubai, UAE)</u>
06 December 2021	<u>2nd International Conference on Microfluidics (Rome, Italy)</u>
08 May 2022	<u>ASTM E56 (Nanotechnologies) Sheraton Denver Downtown Hotel; Denver, CO US</u>
16 May 2022	<u>ASTM E56 (Nanotechnologies) Hyatt Regency Seattle; Seattle, WA US</u>
31 October 2022	<u>ASTM E56 (Nanotechnologies) Sheraton New Orleans; New Orleans, LA US</u>