



Horizon 2020

Work Programme 2018-2020

*“Nanotechnologies, Advanced Materials, Biotechnology and
Advanced Manufacturing and Processing”*

PROJECT OFFERS AND SEARCHES

*Compiled by Dr Sabelo Mhlanga and Dr Manfred Scriba, NCPs for H2020
Nanotechnologies Programme, South Africa*

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Date **10 October 2018**

To: All Research Leaders and Researchers – Nanomaterials and Nanotechnology (Government and Private Organizations)

From: Drs Sabelo Mhlanga and Manfred Scriba (NCPs – Nanotechnology, H2020 Programme, South Africa)

Reference: **Horizon 2020 Project offers/searches from European organizations and research institutions**

We have received numerous project offers/searches from various organizations/institutions based in Europe that have interest in responding to various calls published in the EC H2020 2018 – 2020 Work Programme (see separate attachment). Ours is to share this information with everyone. This should provide an easy way of identifying potential partners to apply/participate in H2020 funded projects. It is compulsory to partner with European organizations when applying for this funding.

Nanotechnology is one of the priority focus areas for South Africa. *Researchers are encouraged to identify topics relevant to them from the list of offers presented in this document and contact the person responsible for a project offer/s.* Please note what is meant by offer/search.

- **Partner offer** - Researchers who offer their expertise in a specific topic of research and are looking for collaboration in possible project consortia.
- **Partner search** - Researchers or consortia with a definite idea for a project looking for additional partners to complement their expertise.

We will be sharing more offers/searches as we receive them. The Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing Work Programme is one which we are responsible for amongst many others including:

- Future and emerging technologies,
- Climate action, environment, resource efficiency and raw materials,
- Food security, sustainable agriculture and forestry, marine and maritime and inland, water research and the bioeconomy,
- Innovation in small and medium-sized enterprises, *etc.*

Should you require more detail and specific information, please do contact us. Additional support/information also be found from the Horizon 2020 website (<https://ec.europa.eu/programmes/horizon2020/en/h2020-sections>) and the ESASTAP 2020 website (<https://www.esastap.org.za/>)

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Offer

Topics

DT-NMBP-07-2018

Open Innovation Test Beds for Characterisation (IA)

NMBP-21-2020

Custom-made biological scaffolds for specific tissue regeneration and repair (RIA)

DT-NMBP-02-2018

Open Innovation Test Beds for Safety Testing of Medical Technologies for Health (IA)

NMBP-22-2018

Osteo-articular tissues regeneration (RIA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

Competences / Expertise

Characterization of biomedical materials and of all kind of materials (thermal properties, molecular weight, crystallinity, gas and liquid permeability) Analysis of porous substrates (morphology, surface area, gas and liquid permeability, dynamical-mechanical properties) Elettrospinning of polymeric materials Lab-scale compounding of polymers Plasma treatments (cleaning and surface modifications) Structural characterization of biomaterials and biomedical scaffolds Materials Treatments by Supercritical Fluids Cleaning and surface modification of various materials by plasma treatment (various gases and gas mixtures) "Complete" characterization of a biomaterial and / or scaffold through various tests Calorimetric analysis Dynamic-mechanical analysis Nanoindentation test Surface area analysis Contact angle test Determination of molecular weight distribution Analysis of gas and / or liquid permeability Morphological analysis Diffractometric analysis 3D Microtomography and Reconstructions Synthesis and purification of new biopolymers useful for biomedical applications. Synthesis and characterization of materials as work for hire Development of industrial synthesis process (scale up or feasibility study) of materials for pharmaceutical companies. Production and characterization of polymer-based nano- and micro-carriers for drug delivery. Molecular characterization and purity analysis of polymeric materials. Study of the chemical stability, hydrolytic and biodegradability of materials Chemical analysis of biomaterials prepared for hire (purity, chemical analysis) Molecular characterization and aggregation state of synthesized material Production of nano- and microparticles by spray drying techniques Determination of molecular weight and polydispersity of macromolecules Dosimetry of ionizing radiations Detection of irradiated foods Archaeological dating Degradation of paints and polymers by light Polymer properties and cross linking Defects in diamond Defects in optical fibers Organic conductors Influence of impurities/defects in semiconductors Cigarette filter efficiency Shelf life in fermented beverages Behavior of free radicals in corrosion Analysis of antioxidants di antioossidanti and radical scavengers Analysis di enzymatic reactions Analysis of oxidation processes Mechanical characterization of biological and biomaterial tissues according to ASTM / ISO standards Mono-axial, Biaxial, Monotonic, Dynamic and Fatigue tests Mechanical characterization of joint prostheses and implants: Dental, Vascular and Spinal according to ASTM / ISO standards Nano / micromechanical characterization of biological tissues, thin films of biomaterials, nano / micro fibers according to ISO / ASTM standards Measurement and surface characterization of thin films: topography, thicknesses Measurements of displacement / strain fields and laminar velocity fields by laser image correlation at the micro / macrometer scale

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Offer

Topics

DT-FoF-03-2018

Innovative manufacturing of opto-electrical parts (RIA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

DT-NMBP-05-2020

Open Innovation Test Beds for functional materials for building envelopes (IA)

LC-NMBP-32-2019

Smart materials, systems and structures for energy harvesting (RIA)

Competences / Expertise

Nanomaterial engineering, instrumentation development, prototype development, vacuum deposited nanoparticles, nanocomposite functional devices, thin film production, electronics and instrumentation design, prototyping, CAD/CAM, engineering design and fabrication, magnetron techniques, nanoparticle vapor deposition, printed circuit boards design and assembly, PC software development, data acquisition software, micro-controllers, mechanical design, vacuum equipment design, vacuum chambers design.

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Offer

Topics

LC-BAT-2-2019 (previously **LC-NMBP-27-2019**)

Strengthening EU materials technologies for non-automotive battery storage (RIA)

DT-NMBP-19-2019

Advanced materials for additive manufacturing (IA)

DT-NMBP-08-2019

Real-time nano-characterisation technologies (RIA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

LC-NMBP-30-2018

Materials for future highly performant electrified vehicle batteries (RIA)

DT-NMBP-12-2019

Sustainable Nano-Fabrication (CSA)

LC-NMBP-32-2019

Smart materials, systems and structures for energy harvesting (RIA)

Competences / Expertise

Materials design for all Li-based battery technologies Materials and advanced characterization methods Materials and testing for beyond Li-ion (Na-ion, metal-air ...) Operando optical spectroscopy for real time battery material assessment Co-free and critical raw material-free battery materials development Full cell testing Surface modification and in-situ characterization of materials for batteries Materials and advanced characterisation for optoelectronics Surface science methods for surface and interface engineering for ICT applications Scalable materials synthesis

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Offer

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

BIOTEC-06-2020

Reprogrammed microorganisms for biological sensors (IA)

BIOTEC-07-2020

Multi-omics for the optimisation of genotype-phenotype associations (RIA)

Competences / Expertise

DT-NMBP-03-2019: microbial nanocomposite seed coatings for maize for biofertilizer or biocontrol applications (nanoparticles in combination with biopolymers increase the mechanical strength of the coating and determine the release profile, furthermore reduce abrasion; better O₂ and humidity barrier allows to maintain bacterial viability); nanoparticles as carrier vehicle and protection for beneficial bacteria, but also for improved plant resilience; imprinted silica nanoparticles

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Topics

LC-EeB-01-2019

Integration of energy smart materials in non-residential buildings (IA)

DT-NMBP-18-2019

Materials, manufacturing processes and devices for organic and large area electronics (IA)

DT-NMBP-19-2019

Advanced materials for additive manufacturing (IA)

DT-NMBP-08-2019

Real-time nano-characterisation technologies (RIA)

LC-NMBP-28-2020

Advanced materials for innovative multilayers for durable photovoltaics (IA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

DT-NMBP-04-2020

Open Innovation Test Beds for bio-based nano-materials and solutions (IA)

LC-NMBP-30-2018

Materials for future highly performant electrified vehicle batteries (RIA)

NMBP-16-2020

Safe by design, from science to regulation: behaviour of multi-component nanomaterials (RIA)

DT-NMBP-05-2020

Open Innovation Test Beds for functional materials for building envelopes (IA)

NMBP-17-2020

Regulatory science for medical technology products (RIA)

DT-NMBP-06-2020

Open Innovation Test Beds for nano-pharmaceuticals production (IA)

DT-NMBP-12-2019

Sustainable Nano-Fabrication (CSA)

LC-NMBP-32-2019

Smart materials, systems and structures for energy harvesting (RIA)

Competences / Expertise

nanomaterials nanotechnology graphene activated carbon energy storage nanoparticles
supercapacitors battery pilot plant scale up

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Topics

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

LC-NMBP-30-2018

Materials for future highly performant electrified vehicle batteries (RIA)

LC-NMBP-32-2019

Smart materials, systems and structures for energy harvesting (RIA)

Competences / Expertise

Solution Combustion Synthesis of Nanomaterials Nano-hydrometallurgy Self-propagating High Temperature Synthesis

Contact

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Offer

Topics

DT-NMBP-08-2019

Real-time nano-characterisation technologies (RIA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

NMBP-16-2020

Safe by design, from science to regulation: behaviour of multi-component nanomaterials (RIA)

Competences / Expertise

Without being focused on a particular route of synthesis, material type or focused area of applications, the activities of our team have in common the control of structures at the nanoscale. For this, they rely on the skills of chemists including solid state chemistry, inorganic synthesis in solution, surface grafting of molecular species and organic polymerization in dispersed media. - Whether metal, metal oxide, multiphase or hybrid nanomaterials are concerned, our field of investigation is the control of chemical composition, defects and surface features of (nano)particles up to their assembly with a particular effort focused on the control of surfaces, interfaces and morphologies. A summary of our skills in 10 points is presented below: 1 - Control of particle size 2 - Relationship between crystalline structure and chemical composition 3 - Selectivity of surface crystallographic planes / control of particle shape 4 - Introduction of surface defects 5 - Study of the phenomena of nucleation/growth of supported particles 6 - Plasticity at interfaces 7 - Control of surface charges 8 - Continuous or discontinuous encapsulation in a second phase 9 - Surface grafting of molecules / Arrangement into continuous films or patches 10 - Assembly through controlled interactions or sintering into discrete clusters or extended networks The targeted applications are in the areas of optics, catalysis, health and sustainable development.

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Offer

Topics

LC-NMBP-30-2018

Materials for future highly performant electrified vehicle batteries (RIA)

LC-NMBP-32-2019

Smart materials, systems and structures for energy harvesting (RIA)

Innovative Batteries for eVehicles

Innovative Batteries for eVehicles

Competences / Expertise

Keywords defining activity: Electrode materials (powder and thin films) and solid electrolytes for electrochemical energy storage Li and Na batteries and microbatteries, supercapacitors New Li and Na transition metal layered oxides Li and Na polyanionic framework materials Electronically conducting cobalt oxides Thin film materials for 2D microbatteries Li and Na insertion mechanisms (intercalation/conversion/alloying) NMR and calculations applied to battery materials - Scientific activities: Activity consists in applying a Solid-State-Chemistry strategy to materials for Li or Na batteries and related compounds. Investigations are focused on Li and Na transition metal oxides, on compounds with polyanionic framework, on electronically conductive cobalt oxides and on thin film materials for microbatteries. In addition to more « classical » structural and physical characterizations available at ICMCB or via large infrastructures (in particular in situ or operando X-ray and neutron diffraction and XAS), the group has specially developed electrochemical characterizations, X-ray diffraction (in particular in situ or operando), electron microscopy, as well as NMR applied to paramagnetic compounds, with a theoretical approach aiming at better understanding the latter. The group therefore globally aims at better understanding the materials and their alkali-metal insertion/deinsertion properties, in order to focus investigations on preparing ever better materials in terms of electrochemical energy storage or of remarkable properties. - Some representative research work over the 2009-2014 period: : Synthesis of new metastable Na_xCoO_2 and Na_xVO_2 by electrochemical deintercalation – polymorphism and vanadium clustering in Na_xVO_2 New AMPO_4X (A = H, Li ; M = Fe, V, Mn, Ti ; Y = OH, O, F) Tavorite - structure materials as Li-battery electrodes: broad variety of compositions and broad voltage range (from 1.4 to 4.3 V vs Li^+/Li) ; model compounds for analyzing the chemical bond by combining NMR with theoretical calculations New nanometer-scale $\text{H}_x\text{Li}_y\text{Co}_3\text{-}\delta\text{O}_4\cdot z\text{H}_2\text{O}$ spinel-type compounds : electronic conductors additives and electrode materials for (faradic) aqueous supercaps A broad variety of electrode materials as thin films for microbatteries: Si and Ge alloys as negative electrodes for Li-ion microbatteries for microelectronics ; CuO and FeS₂ as positive electrode materials for high capacity Li microbatteries Elucidating redox and phase-change mechanisms occurring during deintercalation and intercalation of Li^+ or Na^+ ions from A_xMO_2 (A = Li, Na) layered oxides ; first evidence of reversible participation of oxide anions in the redox process in « HE-NMC » (Li and Mn rich layered oxides) First evidence of a memory effect during cycling of thin film $\text{Li}_x\text{Si(Ge)}$ alloys Determining Li, P and H NMR shifts in oxides and/or phosphates studied as electrode materials for batteries, and improving the methodology for DFT modeling of the mechanisms for the contact interaction governing these shifts.

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Offer

Topics

DT-NMBP-19-2019

Advanced materials for additive manufacturing (IA)

CE-NMBP-26-2018

Smart plastic materials with intrinsic recycling properties by design (RIA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

Competences / Expertise

The competences of the group are related to the production of new materials (particularly ceramic powders), the use of secondary raw materials in the formulation of these products and the recovery/recycling of selected waste materials (eg carbon fibers). In this respect, we have gained positive experiences in recycling carbon fiber from end of life composite materials, filing patents and maturing new patent ideas currently under development, and in the functionalization of these materials. By using thermal plasma technology, we have produced submicron and nanometric ceramic materials from gross powders. Particular attention has been put in exploring the application of the materials, also by using them as reinforcement of polymeric matrices whose properties are conversely modified. For the production of test manufactures, we have the opportunity to use printing techniques such as screen printing, inkjet and 3D printing.

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Offer

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

DT-NMBP-04-2020

Open Innovation Test Beds for bio-based nano-materials and solutions (IA)

DT-NMBP-12-2019

Sustainable Nano-Fabrication (CSA)

Competences / Expertise

The Institute for Materials & Surface Technology at the University of Applied Sciences, Kiel, Germany works primarily on the nanostructuring of surfaces using diverse, but always sustainable and environmentally friendly processes. We seek participating at this proposal to assist the other partners with our expertise in the processing and characterization of polymeric nanocoatings that can possess diverse functionalities such as anti-biofouling, hydrophilicity/hydrophobicity, etc. We can coat and pattern diverse substrates, including porous oxide substrates and PDMS for microfluidic devices.

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Offer

Topics

DT-NMBP-19-2019

Advanced materials for additive manufacturing (IA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

LC-EeB-05-2019-20

Integrated storage systems for residential buildings (IA)

Competences / Expertise

- Development of light reflection systems. Performance of products to reflect light using a plastic base. Developments with LEDs and OLEDs, new car headlamps and rear lamps, solar reflectors, etc. Surface coatings with inks, paintings, varnishes, adhesives and so on. - Analysis and correlation of plastic & reinforced plastic parts obtained by additive manufacturing. - Advanced materials for thermal and electric storage.

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Offer

Topics

LC-NMBP-28-2020

Advanced materials for innovative multilayers for durable photovoltaics (IA)

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

LC-NMBP-31-2020

Materials for off shore energy (IA)

Competences / Expertise

The IndEURA (India Europe Research Alliance) is an research based association in India. Experienced in working EU co-funded projects. The association is also partnering research labs (various fields), universities, Higher Educational Institutions, Hospitals, organization for academics, students and practitioners who are interested in all aspects of Europe and the European Union. It aims at promoting and coordinating EU Studies in the related fields, and cultivating and developing mutual understandings and friendly cooperation in the region and with the EU and its member states. It's stem of DISHA International Foundation Trust (DIFT), India

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Offer

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

'Innovative Batteries for eVehicles'

'Innovative Batteries for eVehicles'

'Fuel from the Sun: Artificial Photosynthesis'

'Fuel from the Sun: Artificial Photosynthesis'

Competences / Expertise

The IndEURA (India Europe Research Alliance) is an research based association in India. Experienced in working EU co-funded projects. The association is also partnering research labs (various fields), universities, Higher Educational Institutions, Hospitals, organization for academics, students and practitioners who are interested in all aspects of Europe and the European Union. It aims at promoting and coordinating EU Studies in the related fields, and cultivating and developing mutual understandings and friendly cooperation in the region and with the EU and its member states. It's stem of DISHA International Foundation Trust (DIFT), India

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Search

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

Abstract

A Spanish technological centre is preparing a H2020-DT-NMBP-03-2019 proposal that is focused in the creation of services for design and testing of nano-enabled surfaces.

Description of Projectidea

Industry and society have a growing demand on novel materials based on nanotechnologies for innovative surfaces with specific functionalities. The new technologies are subjected to other factors such as qualification, regulation, cost, compatibility and the need to be applicable around the world. In the most recent years it is obvious that nano-enabled surfaces can be applied in nearly every area. The project will build an innovative open access platform to offer to companies and technological centers, the capabilities, knowhow, networks and services required for the development, testing, assessment, upscaling and market exploitation of nanotechnology-based surfaces. For this purpose, multifunctional nano-coatings based on different matrices (organic and inorganic) and active compounds based on nanoparticles will be designed, developed and tested on different substrates and sectors taking in account of the needs of different industry sectors and of the today's market.

Consortium of Partners, already involved

Research institute and SME experts in the development of new nanoparticles and nanocoatings with different properties.

Partners sought to complete the consortium

The consortium of this project will be composed by around 17 partners. And some pending required partners are: - Experts in on line quality control. - RTDs and SME with expertise in technologies of application of coatings. - Qualified specialists in standardizations and regulation for the different properties (anticorrosion, abrasion resistance, mechanical resistance, etc). - Industries interested on new functionalities (improved scratch and abrasion resistance , improved corrosion, super hardness, control reflectivity, self-cleaning, antimicrobial, etc..)

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Brokerage Events

10/17/2017, Strasbourg, EU Brokerage Event on KET (Nanotechnologies and Advanced Materials, Biotechnologies, Advanced Manufacturing and Processing) in Horizon 2020 - Call 2018-2020 (expired)

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Offer

Topics

LC-BAT-2-2019

Strengthening EU materials technologies for non-automotive battery storage (RIA)

LC-NMBP-29-2019

Materials for non-battery based energy storage (RIA)

Competences / Expertise

Novel advanced electrode materials, including nanostructured Lurederra has a great expertise in production of nanomaterials of a large diversity of nature by different synthesis technologies. Our main potential is based on Flame Spray Pyrolysis (FSP) technology and facilities which are unique in the world in terms of production capacity in only one step of a large range of nanomaterials. We have production capacities which go from lab-scale (10 grams/hour) to industrial scale (up to 1 kg/h). Based on this technology we are able to design and produce very different and complex nanomaterials based on metal oxides, simple, mixed compositions, phosphates, carbonates and doped materials including noble metals. In fact, almost whatever element of the periodic table can be produced as an oxide nanomaterial by FSP technology, therefore providing a great capacity and flexibility in the design of new materials for electrodes or electrolyte additives. In this sense, we are able to produce these nanoparticles with different morphologies and sizes. The nanoparticles produced by FSP in LUR have a very high purity and narrow size distribution, where the control of the size is possible by selecting the required process parameters. For example, Lurederra could synthesize a wide variety of metallic nano-oxides both simple and complex and introduce them in different matrices in order to obtain polymeric materials with improved conductivity. Lurederra has previously developed: o Platinum doped catalyst, such as CeO₂/ZrO₂ mixed oxides doped with Pt or palladium o Perovskites catalysts like SrTiO₃ or LaFeO₃ for reduction of noble metal compositions in catalysts o Transparent conductors for electrodes like Indium Tin Oxide or Aluminium Zinc Oxide, Yttrium Stabilised Zirconia for use in SOFCs o Mixed Co/Mn oxide catalysts for electrodes in metal-air batteries o Doped metallic nano-oxides such as ZnO doped with other metals (Cu) or other oxides like TiO₂, SnO₂, In₂O₃, etc. for the development of electrodes such as nickel and zinc electrodes with improved properties.

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Brokerage Events

10/17/2017, Strasbourg, EU Brokerage Event on KET (Nanotechnologies and Advanced Materials, Biotechnologies, Advanced Manufacturing and Processing) in Horizon 2020 - Call 2018-2020 (expired)

Responsible NCP

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Offer

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

DT-NMBP-04-2020

Open Innovation Test Beds for bio-based nano-materials and solutions (IA)

DT-NMBP-05-2020

Open Innovation Test Beds for functional materials for building envelopes (IA)

Competences / Expertise

UT2A is a technological center specialized in analytical chemistry and (metals, metalloids, biomolecules, COVs and nanomaterials). Our laboratory is equipped with advanced analytical tools (ICPMS, ICPAES, sp-ICPMS, A4F-MALLS, etc.). We have a strong background in the development and validation of analytical methods according to GLP/GMP for pharmacopea, foods, etc from raw materials to final products . We are involved in severall H2020 projetscs.

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Topics

DT-NMBP-19-2019

Advanced materials for additive manufacturing (IA)

LC-NMBP-28-2020

Advanced materials for innovative multilayers for durable photovoltaics (IA)

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

Competences / Expertise

Genes'Ink is an SME with a strong know-how in innovative nanomaterials development and nanoinks formulation for printed electronics applications (antennas, circuitry, photovoltaics, lighting, etc.). Our inks are based on in-house manufactured nanoparticles mainly zinc oxide (ZnO), aluminium doped ZnO (AZO), tungstene oxide (WOx) and silver (Ag). Genes'Ink offers a large range of inks answering the various printing processes specifications: inkjet, screen printing, rotogravure printing, flexography and spray printing. Genes'Ink formulation processes are upscaled to pilot line. Large batches of nanoinks can be produced at facilities. Our inks can be tailored according to customers and partners specifications (stretchability, viscosity, surface tension, roughness, etc.) <http://www.genesink.com/en/home>

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Offer

Topics

DT-NMBP-03-2019

Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

DT-NMBP-05-2020

Open Innovation Test Beds for functional materials for building envelopes (IA)

DT-NMBP-12-2019

Sustainable Nano-Fabrication (CSA)

Competences / Expertise

HPD Consultancy is a research and innovation-focused consulting company located in İzmir, Turkey. The scope of our consultancy service is R&D and innovation projects at national and EU level. Thanks to our 15 years of experience, we are very well integrated within the R&D, innovation and entrepreneurship ecosystem mainly in İzmir but also all across Turkey. We have also a network of EU partners. From the beginning of our business life, we consider our clients as our partners and we serve as EU project units of our clients. Our partners deal with their daily routine, we keep eye on EU programmes on behalf of them. We ease and facilitate their participation in EU projects. We deliver service for: Monitoring EU R&D and innovation policies, proposal management, grant agreement and IPR management, project management, networking and consortia building. We, as HPD Consultancy, are the H2020 Representative of one of the biggest companies in Turkey operating in the decorative paints and ETICS sector. In addition to decorative paints and ETICS, our client, is engaged also in the production of wood/furniture paints, industrial coatings and construction chemicals (water insulation products, ready mortars, mortar additives, tile adhesives, and joint fillers). The main R&D&I focus areas of the company are: • Research into the latest paint and coating technologies • Resin synthesis and processing • Reducing the environmental impact of paints and coatings • Recovery of waste heat in the process • Geopolymers • Developing new products and solutions based on customer needs • Energy efficiency and management in buildings and Building and infrastructure Integrated PV (BIPV). The company is interested in participating in EU projects (H2020, ERA-NETs, etc.) on the following topics: • DT-NMBP-03-2019: Open Innovation Test Beds for nano-enabled surfaces and membranes (IA) • DT-NMBP-05-2020: Open Innovation Test Beds for functional materials for building envelopes (IA) • DT-NMBP-12-2019: Sustainable Nano-Fabrication (CSA)

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