

## Wsparcie Regionalnego Punktu Kontaktowego Programów Ramowych UE w Szczecinie w regionie zachodniopomorskim

Angelika Łysiak

Szczecin, 20.11.2018

## Sieć RPK PR UE na czele z KPK



### Obszar działalności RPK Szczecin

#### Sektor naukowy

- Zachodniopomorski Uniwersytet Technologiczny w Szczecinie
- Uniwersytet Szczeciński
- Pomorski Uniwersytet Medyczny w Szczecinie
- Politechnika Koszalińska
- Akademia Morska w Szczecinie
- Akademia Sztuki w Szczecinie

...

#### Sektor przemysłowy

Klastry

Stowarzyszenia

Inne podmioty

## Zadania RPK: wspieranie uczestnictwa w programie ramowym Horyzont 2020

prorowadzenie akcji informacyjnej i szkoleniowej

upowszechnianie dokumentacji dotyczącej programu Horyzont 2020

świadczanie bezpłatnych usług konsultacyjnych i mentoringowych podmiotom zainteresowanym złożeniem wniosku w wybranym konkursie

wyszukiwanie potencjalnych projektodawców w ramach konkursów ogłaszanych w programie Horyzont 2020

świadczanie usług konsultacyjnych podmiotom realizującym projekty

## Kontakt z RPK: proces konsultacji

Poszukuję źródła  
sfinansowania  
pomysłu

Znalazłem temat  
w ramach H2020

Pracuję nad  
własnym  
wnioskiem

Otrzymałem  
zaproszenie  
do udziału  
w projekcie H2020

Inny program

Pomysł na  
projekt  
badawczy

Analiza  
pomysłu  
i dobór  
programu

Horyzont 2020



Współpraca  
przy  
powstawaniu  
wniosku

Współpraca  
przy realizacji  
projektu

## Punkt EURAXESS w strukturze RPK



wsparcie merytoryczne z zakresu stypendiów MSC, grantów ERC

pomoc w kwestiach prawno-administracyjnych dotyczących mobilności naukowców

porady praktyczne związane z funkcjonowaniem portalu mobilnych naukowców  
EURAXESS: [www.euraxess.org](http://www.euraxess.org)

szkolenia i indywidualne spotkania dot. strategicznego planowania kariery naukowej

## Przykłady działań RPK Szczecin – Cooperation Offer

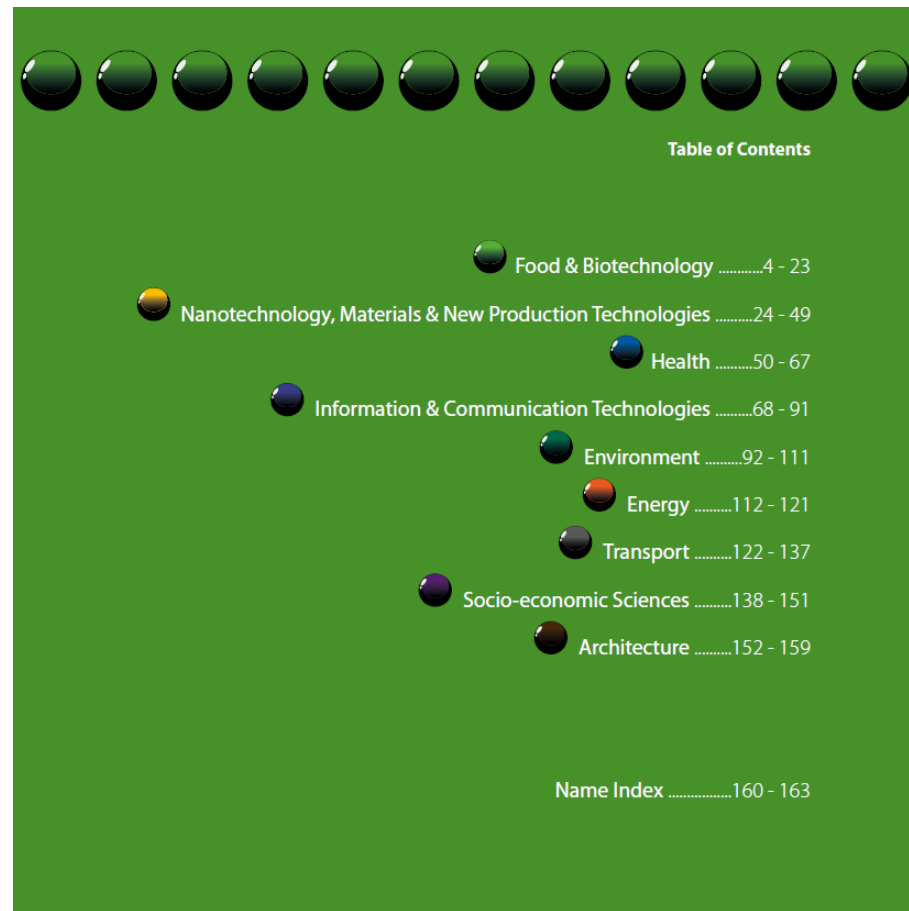



Table of Contents

- Food & Biotechnology .....4 - 23
- Nanotechnology, Materials & New Production Technologies .....24 - 49
- Health .....50 - 67
- Information & Communication Technologies .....68 - 91
- Environment .....92 - 111
- Energy .....112 - 121
- Transport .....122 - 137
- Socio-economic Sciences .....138 - 151
- Architecture .....152 - 159
- Name Index .....160 - 163

University of Szczecin  
ul. Wąjska 13  
71-415 Szczecin  
Poland  
www.kbr.wb.univ.szczecin.pl

## Professor Ewa Kępczyńska, Ph.D., D.Sc.

Department of Plant Biotechnology  
e-mail: ekepcz@wp.pl  
phone: +48 91 444 16 93

The Department of Plant Biotechnology (DPB) conducts comprehensive research on green biotechnology with a special emphasis on:

- somatic embryogenesis (SE), including:
  - the role of gibberellins and abscisic acid in *Medicago* spp. SE;
  - regulation of gene expression during SE by the hormones mentioned;
- role of jasmonates, salicylates and  $\beta$ -aminobutyric acid in fungal pathogen development;
- induction of systemic resistance (ISR) against phytopathogens – physiological, biochemical and molecular basis;

Koszalin University of Technology  
ul. Śniadeckich 2  
75-453 Koszalin  
Poland  
www.tu.koszalin.pl/eng

## Dr Waldemar Kuczyński, Eng.

Faculty of Mechanical Engineering  
e-mail: waldemar.kuczynski@tu.koszalin.pl  
phone: +48 94 347 84 20

The unit is involved in the Regional Initiative of Cooperation in Energy Conversion (RICEC) which groups specialists in various disciplines working on the conversion of energy obtained from biomass, application of the energy carriers obtained, and quality assessment of energy processes and their environmental impact. The experts are employed at various faculties of the Koszalin University of Technology (Economic Sciences, Civil Engineering, Environmental Sciences and Geodesy, Mechanical Engineering) and the West Pomeranian University of Technology in Szczecin (Mechanical Engineering and Mechatronics, Environmental Management and Agriculture). RICEC has also members from the business sector (Bio-Tech Polska and Aco Energy).

The RICEC research is primarily focused on renewable energy resources and their application, with a particular emphasis on:

- energy-yielding plant modern cultivation methods;
  - innovative methods of biofuels production from energy plants, animal wastes and municipal sewage;
  - classical methods of determining the energy value of solid, liquid and gaseous biofuels;
  - biofuel conversion into power and heat in distributed and centralized systems with ORC power units.
- RICEC uses hi-tech laboratories and other infrastructure operated by its members. The research infrastructure includes, i.a. a Junkers calorimeter for determination of combustion heat and calorific value of gaseous fuels; a viscometer for determination of dynamic viscosity of liquid and gaseous fuels; a Höppler viscometer; a digital Brookfield DV-II+ Pro viscometer; an analogue Brookfield viscometer; a pipe furnace; an exhaust-gas analyser as well as thermal cabinets, a muffle furnace, a calorimeter, and a UV-VIS spectrophotometer.

The expertise offered includes:

- determining economic efficiency of energy plant cultivation, including cultivation and quality assessment of willow kept on light soils;
- testing biomass production for energy purposes;
- assessing of pollutant emissions in biomass combustion;
- exploring possibilities for conversion of sewage sludge from municipal sewage treatment plants to energy;
- determining energetic efficiency of annual plant species biomass;
- determining energetic efficiency of sorghum biomass;
- analysing applicability of annual plant species to biogas production;
- exploring possibilities of applying biotechnologies for production of fuels from biomass;
- examining energy characteristics of solid, liquid and gaseous biofuels;
- exploring possibilities of using small power ORC units fed with low-processed biomass in distributed cogeneration systems of electricity and heat.

Keywords describing the expertise offered:

energy plants, biofuels, bioenergy conversion, distributed cogeneration in ORC systems

West Pomeranian University of Technology, Szczecin  
al. Piastów 19  
70-313 Szczecin  
Poland  
www.wimim.zut.edu.pl

## Professor Anna Biedunkiewicz, Ph.D., D.Sc., Eng.

Faculty of Mechanical Engineering and Mechatronics  
Institute of Materials Science and Engineering  
e-mail: anna.biedunkiewicz@zut.edu.pl  
phone: +48 91 449 40 71  
mobile: +48 504 058 044

The Institute of Materials Science and Engineering (IMSE) and Institute of Mechanical Technology (IMT) group specialists working primarily on:

- innovative nanocomposite multifunctional materials (powders, coatings and volume materials, Metal Matrix Composites);
- manufacturing nanostructural carbides, borides and nitrides via sol-gel technique (TiC, TiN, TiB<sub>2</sub>, Mo<sub>2</sub>C, TiC-5C-Si<sub>3</sub>N<sub>4</sub>, TiC-TiB<sub>2</sub>, microcapsules TiC-Mo<sub>2</sub>C);
- manufacturing nanostructural Metal Matrix Composites (MMC) using Rapid Prototyping and Selective laser Sintering and Melting Technologies (nc-TiC/Steel, nc-TiC/Ti, nc-TiC-TiB<sub>2</sub>/steel and others);
- modelling of nanocomposites using Final Element Method to determine stress distribution in heterogeneous or continuous structures;

Maritime University of Szczecin  
ul. Henryka Pobożnego 11  
70-507 Szczecin  
Poland  
www.zam.szczecin.pl

## Stanisław Iwan, Prof. AM, Ph.D., D.Sc.

Faculty of Economics and Transport Engineering  
Department of Logistics and Transportation Systems  
e-mail: siwan@zam.szczecin.pl  
phone: +48 91 480 96 75  
mobile: +48 603 259 695

Research in the area of: logistics management, city logistics, transport telematics, logistics telematics, application of artificial intelligence in transport and logistics, application of simulation tools in transport and logistics.

Experience in projects:

- project C-LIEGE (Clean Last Mile Transport and Logistics Management for Smart and Efficient Local Governments in Europe), funded under the Intelligent Energy-Europe programme;
- project The study and modelling of integrated transportation system for West Pomeranian Region with particular emphasis on Central European Transport Corridor North-South, funded by The National Centre for Research and Development in 2009-2011;
- leader of international project GRASS (Green And Sustainable freight transport Systems in cities), funded by Norwegian Grants (Norwegian Financial Mechanism 2009-2014 – Polish-Norwegian Research Programme);
- project "Analysis of information needs of heterogeneous environment in sustainable urban freight", financed by the Polish National Science Centre;
- project NOVELOG (New cooperative business models and guidance for sustainable city logistics), funded by the EU Horizon 2020 programme (Call H2020-MG-2014/2015, Topic MG.5.2-2014).

The team has two mobile traffic detectors which can be used for analysing the traffic with a due consideration to vehicle types.

Offered expertise:

Application of telematics systems in logistics and transport systems; development of intelligent transport systems; development of city logistics systems; optimization of urban freight transport; optimization of transport and logistics; development of intelligent systems in city logistics; implementation of information society solutions in transport systems; analysis of the city in terms of transport systems functioning.

Keywords specifying the offered expertise:

transport and logistics systems, city logistics, urban freight transport, transport systems telematics, intelligent transportation systems, artificial intelligence

Pomeranian Medical University, Szczecin  
al. Powstańców Wielkopolskich 72  
70-11 Szczecin  
Poland  
www.pum.edu.pl

## Professor Anna Machalińska, M.D., Ph.D., D.Sc.

Faculty of Medicine  
Department of General Pathology  
Centre for Research and Development of Innovative Therapies in Ophthalmology  
e-mail: annam@pum.edu.pl  
phone: +48 91 466 15 46

The Centre for Research and Development of Innovative Therapies in Ophthalmology (CoRDITO) groups specialists working primarily on:

- prevention, diagnosis and innovative treatment of common neurodegenerative eye diseases associated with age and environmental factors
- age-related macular degeneration (AMD), retinopathy of prematurity (ROP), diabetic and hypertensive retinopathy, ischemic ocular neuropathy;
- development of innovative therapeutics, including cellular and gene-based therapies for ophthalmic diseases (innovative cell-based formulations and packaging systems for controlled and site-specific delivery of pro-regenerative drugs for ophthalmic diseases);

Academy of Art in Szczecin  
pl. Orła Białego 2  
70-562 Szczecin  
Poland  
www.akademiasztuki.edu.pl

## Dr Aleksandra Łukaszewicz Alcaraz

Department of Painting and New Media  
e-mail: aleksandra.lukaszewicz.alcaraz@akademiasztuki.edu.pl  
mobile: +48 726 188 421

The Department of Painting and New Media has a professional and visionary staff involved in art, media, design, history, and theory of art and aesthetics. It combines different genres of traditional and contemporary art and design, supported by deep theoretical insights from the point of view of critical theory in philosophy, sociology, and economics. The research activities focus mainly on:

- graphics and new media (photography, animation, experimental film, multimedia);
- design (innovative product design, fashion design, visual communication);
- painting (an interdisciplinary research program);
- cultural, economic, political, and social underpinnings of art.

Additionally, the Department is interested in research on: phenomenology of image, visual culture, marketing, and protection of intellectual property; formal and aesthetic investigation of modern media, art, and design. The Department is involved in many international and national projects and has experience in the development of innovative and friendly solutions which can be implemented in industry. Understanding the importance of creative industries, the Department, cooperates with various external stakeholders, including the Adobe Systems Incorporated, Polish Institute in Stockholm, Cluster of Creative Industries in Szczecin, Kunstbauwerk Tabakfabrik Wierand (Germany), and the National Museum in Szczecin.

Department has expertise in:

- analysis and development of experimental film and animation, video art, installation, art in public spaces, performative artistic activities, experimental music, post-production of image and sound, multimedia publication design; visual identification, signage, commercials, publications, artistic books, lettering and typography, mobile applications and packages;
- modelling and prototyping, 3D modelling, laser cutting;
- the use of traditional media, new media, and post-media in current artistic work of painters;
- current and historical analysis in philosophy, theory of art, aesthetics, sociology of art – from an economic, political, and social vantage of art, visual communication, and iconosphere.

The Department has well-equipped modern lecture halls; photographic, film, and recording studios; computer labs; drawing and painting ateliers; sewing, shoemaking, and goldsmith's workshops, serigraphy studio; modelling workshop for wood, metal, plastics, and ceramics; and rental of computer, photographic, film, and recording equipment.

The infrastructure of the Department enables high quality research meeting the Polish and European standards.

Keywords specifying the offered expertise:

media, new media, post-media, experimental film, product design, fashion design, visual communication, visual identification, multimedia publications, critical theory, aesthetics, sociology of art, and economy of art





## Przykłady działań RPK Szczecin

### – Partner Search

#### Funding & tender opportunities

Single Electronic Data Interchange Area (SEDIA)


[SEARCH FUNDING & TENDERS](#)
[HOW TO PARTICIPATE](#)
[PROJECTS & RESULTS](#)
[WORK AS AN EXPERT](#)
[SUPPORT](#)
select programme 





Publish partner search for topic:

Alternative proteins for food and feed (LC-SFS-17-2019)

#### Partner Search list


Results: 27

Filter..

ORGANISATION NAME	REQUEST DATE	ORGANISAT... TYPE	COUNTRY	EXPERTISE REQUEST OR OFFER	ACTIONS
<a href="#">ASSOCIATION FOR ECONOMIC DEVELOPMENT OF TRADE BUSINESS AND INDUSTRY ENTERPRISES</a> NEST Association comprises a large number of Bulgarian SMEs and we bridge the gap between SMEs and Bulgarian city administrations, working everyday with our members and local and regional authorities. As an experienced and reliable EU partner, we would like to join consortia and contribute for the successful development of an EU proposal. Looking forward to your enquiries at v.poljakov@nest-association.org	16-Oct-2018	Non-governmental organization	BG	Expertise offer	
<a href="#">ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE</a> Center of Bioimmobilisation and Innovative Packaging Materials (part of ZUT) developed a method of extracting oil cake (by-product of oil production, rich in a.o. proteins) which leads to obtain an aqueous extract which contains 66% protein by weight. We will provide a description of the solution & expert opinions supported by research. We are experienced in FP7 projects.	16-Oct-2018	Higher or secondary education establishment	PL	Expertise offer	



## Przykłady działań RPK Szczecin – współpraca z EEN



**Partnering Opportunity**

Profile Status: Published

---

Research & Development Request

---

**H2020-DT-NMBP-03-2019: Companies and R&D centres related to (nano) coatings.**

---

**Summary**

*A Spanish technological centre is preparing an H2020-DT-NMBP-03-2019 proposal that aims to create services for designing and testing nano-enabled surfaces. The sought partners should be companies and R&D centres from different sectors interested in providing new functionalities to their products as well as qualified specialists in standardization and regulation.*

Creation Date	17 September 2018
Last Update	26 September 2018
Expiration Date	30 November 2018
Reference	RDES20180917001
Public Link	<a href="https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/00739eae-20b2-492c-beef-d432a30a88cb">https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/00739eae-20b2-492c-beef-d432a30a88cb</a>

---

**Details**

**Description**

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 Spanish technological centre is a non-profit, private technological centre with large trajectory in international cooperation. The centre has coordinated 19 of the total 35 participated European projects from FP6 to Horizon 2020 including LIFE and ECO-Innovation programs. The main R&D fields where the centre develops its activities are nanotechnology, new materials and advanced-environment technologies.


The centre is preparing a project proposal to the topic NMBP-03-2019: Open Innovation Test Beds for nano-enabled surfaces and membranes. The project will build an innovative open access platform to offer to companies and technological centers, the capabilities, know-how, 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.

The consortium of this project will be composed by around 17 partners including R&D centres

Ref: RDES20180917001

Page 25 of 55  
Printed: 01 October 2018





**Partnering Opportunity**

Profile Status: Published

---

Research & Development Request

---

**Horizon 2020 MSCA-ITN-ETN European Training Networks: Pharma and biotechnological industrial partners sought for a MSCA-ITN-ETN proposal**

---

**Summary**

*A Hungarian research and technology organization (RTO) is looking for partners from pharma and biotechnological industry to join a H2020 MSCA-ITN-ETN European Training Networks proposal. The proposal will set out a training network including experts from both academic and private enterprises, addressing the various aspects of non-natural peptidic compounds.*

Creation Date	06 September 2018
Last Update	12 September 2018
Expiration Date	30 November 2018
Reference	RDHU20180906001
Public Link	<a href="https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2b8b55ae-0a72-40c5-9e03-bd37d871dd22">https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2b8b55ae-0a72-40c5-9e03-bd37d871dd22</a>

---

**Details**

**Description**

The task of the Hungarian RTO is to explore new functional and structural materials and related chemical technologies in the fields of sustainable environment and sustainable health. In the second field, focus is on soft materials important in medical biology, drug carriers, biosensors, and processes taking place in them.

The synergy of their widespread expertise helps to work out interdisciplinary research issues. By answering basic research questions, their research projects are aiming at solving certain social – economic – environmental problems.


The outlined research field is closely related to research actively performed already by the participants of the constellation. Some of the supportive results are fully available via publications. The project proposal aims to deepen the complementary understanding in related areas as well as reach prototype molecular scaffolds ready for specific pharmaceutical-biotechnological developments.

The consortium would like to apply for H2020 MSCA-ITN-ETN call in January 2019 and they wish to find further partners.

They are looking for partners from the areas of expertise listed below:

Ref: RDHU20180906001

Page 33 of 55  
Printed: 01 October 2018





## Przykłady działań RPK Szczecin – eksperci KE

Numer eksperta	Uczelnia
EX2018D321454	ZUT w Szczecinie
EX2018D339216	ZUT w Szczecinie
EX2018D339213	ZUT w Szczecinie
EX2018D339215	ZUT w Szczecinie
EX2017D295291	ZUT w Szczecinie
EX2018D339214	PUM w Szczecinie
EX2018D339341	PUM w Szczecinie
EX2017D301425	AM w Szczecinie
EX2018D339221	Uniwersytet Szczeciński
EX2017D301429	Uniwersytet Szczeciński
EX2017D301433	Uniwersytet Szczeciński
EX2017D302419	Uniwersytet Szczeciński
EX2017D302536	Uniwersytet Szczeciński

## Przykłady projektów z regionu





## KONTAKT

Angelika Łysiak  
[alysiak@zut.edu.pl](mailto:alysiak@zut.edu.pl)

Regionalne Centrum Innowacji i Transferu Technologii  
Zachodniopomorski Uniwersytet Technologiczny w Szczecinie  
Jagiellońska 20-21  
70-363 Szczecin

[www.innowacje.zut.edu.pl](http://www.innowacje.zut.edu.pl)

 /RCIiTTZUT  /rciitt\_zut