

Gdańsk, April 7, 2021

## Prospective supervisor's form

### Personal data

The prospective supervisor's name	prof. dr hab. inż. arch. Lucyna Nyka
Employment	Faculty of Architecture, Department of Urban Architecture and Waterscapes
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### Research interests

Discipline	Architecture and urban planning
Research area	Architecture
Additional research area	Urban Studies
Key words	adaptation to climate change, resilient cities waterfront transformations, land-water relations blue-green solutions, amphibious territories nature and technology for eco-cities

### Research interests or topics offered for PhD research

My research interests focus on water-related architecture, landscape urbanism and creative solutions for resilient cities and regions. I am involved in several transdisciplinary research studies on waterfront transformations, water urbanism, floating and amphibious architecture and territories, as well as re-naturalisation of cities. I am currently working with my team on the H2020 "SOS Climate Waterfront" project focused on linking research and innovation on waterfront studies to face climate change. I expect the prospective doctorate candidates to be involved in related research topics.

### Supervision

The number of PhD students who have graduated under the prospective supervisor's supervision	8
The number of PhD students currently supervised - within the current doctoral school	1
The number of PhD students currently supervised - within doctoral studies (previous system)	1
Currently accepting new PhD students	Polish and foreign

### Funding and equipment

Is funding available for experimental work	Not applicable
Is the equipment needed to complete a PhD project available in your lab/department	Not applicable

### Bibliometric indicators

Number of journal publications in WoS/Scopus	11
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Citations (excluding self-citations) - WoS	12
Citations (excluding self-citations) - Scopus	40
Hirsch index - WoS	2
Hirsch index - Scopus	3

## List of the selected key publications

### Scenario-planning solutions for waterfront flood-prone areas

Nyka L. , Burda I. - Global Journal of Engineering Education  
 Journal article / In the printed version (also digital), Publication year: 2020, Points: 70.0  
<http://www.wiete.com.au/journals/GJEE/Publish/vol22no3/02-Nyka-L.pdf>

### The CDIO model in architectural education and research by design

Nyka L. , Cudzik J. , Szakajło K. - World Transactions on Engineering and Technology Education  
 Journal article / In the printed version (also digital), Publication year: 2020, Points: 70.0  
[http://www.wiete.com.au/journals/WTE&TE/Pages/Vol.18,%20No.2%20\(2020\)/01-Nyka-L.pdf](http://www.wiete.com.au/journals/WTE&TE/Pages/Vol.18,%20No.2%20(2020)/01-Nyka-L.pdf)

### A framework for Air Quality Management Zones - Useful GIS-based tool for urban planning: Case studies in Antwerp and Gdańsk

Nyka L. , Badach J. , Voordeckers D. , Van Acker M. - BUILDING AND ENVIRONMENT  
 Journal article / In the printed version (also digital), Publication year: 2020, Points: 200.0  
<https://dx.doi.org/10.1016/j.buildenv.2020.106743>

### Bridging the gap between architectural and environmental engineering education in the context of climate change

Nyka L. - World Transactions on Engineering and Technology Education  
 Journal article / In the printed version (also digital), Publication year: 2019, Points: 70.0  
[http://www.wiete.com.au/journals/WTE&TE/Pages/Vol.17,%20No.2%20\(2019\)/14-Nyka-L.pdf](http://www.wiete.com.au/journals/WTE&TE/Pages/Vol.17,%20No.2%20(2019)/14-Nyka-L.pdf)

## Most recent projects

### Łączenie badań, innowacji i technologii w celu doskonalenia strategii adaptacji obszarów frontów wodnych do zmian klimatycznych 'sosclimatewaterfront'

Principal Investigator (PI) name	Lucyna Nyka
Name of the institution the project was carried out in	Gdańsk University of Technology
Name of the granting institution	Narodowe Centrum Nauki (NCN)
Starting year	2019
Ending year	Ongoing
Role in project	Principal Investigator (PI)

### Linking Research and Innovation on Waterfront through Technology for Excellence of Resilience to face Climate Change' — 'sosclimatewaterfront'. Coordinating Institution: Lusofona Univ., Lisbon.

Principal Investigator (PI) name	Lucyna Nyka
Name of the institution the project was carried out in	Gdańsk University of Technology
Name of the granting institution	H2020
Starting year	2019
Ending year	Ongoing
Role in project	Co-Investigator (Co-I)

**'Opening of the Royal Brook in Gdańsk'. Project financed by Pomeranian Foundation for Environmental Protection and Water Management**

Principal Investigator (PI) name	Lucyna Nyka
Name of the institution the project was carried out in	Gdańsk University of Technology
Name of the granting institution	WFOŚiGW
Starting year	2014
Ending year	2016
Role in project	Principal Investigator (PI)

**Additional information**