

Tomasz (Jean-Thomas) SWEBOCKI

Motivated junior PI, qualified in (bio)nanochemistry and microbiology. Keen to work individually as well as in team.

List of scientific publications available in the ORCID database (ID: 0000-0002-1513-9895).

Collaborations:

Materia Nova (BE), **University of Ghent** (BE), **CERN** (CH), **Lille University Hospital** (FR), **Pasteur Institute** (FR), **National Institute for Agricultural Research** (FR), **Norwegian Ministry of Climate and Environment** (NO), **Lancang Kuning University** (ID), **Institute of Oceanology of the Polish Academy of Sciences** (PL), **Univeristy of Gdańsk** (PL), **Gdańsk University of Technology** (PL),

Education

2021-10 **Microbiology and Material Chemistry, PhD, DSc**
- 2024-09 (PLANNED)
Université de Lille, Faculte des Sciences et Technologies
PhD student at Université de Lille under supervision of IEMN

Thesis title: "Deep Eutectic Solvents – from Structural and High Frequency Characterization to Antimicrobial Applications"

2019-10 **Chemistry, MSc (EuroMaster) with distinctions**
- 2021-04
University of Gdansk, Faculty of Chemistry
2nd degree full-time studies: *Chemistry, specialty: Chemical analytics and diagnostics*

Thesis title: "In Pursuit of Alternative Methods of General Detection of Microorganisms – Solid and Liquid Culture Media as Conductive Media for Electrochemical Measurements"

2016-10 **Chemistry, BSc (EuroBachelor)**
- 2019-07
University of Gdansk, Faculty of Chemistry
1st degree full-time studies: *Chemistry, specialty: Chemical analytics and diagnostics*

Thesis title: "Optimization of the Proces of Synthesis of Thiol Based Self-assembled Monolayers on the Surface of the Gold Electrode"

Work History

2021-10 **Université de Lille (France)**
- present
PhD Candidate
PhD student employed at the University (French Government financing)

2018-06 **Centre National de la Recherche Scientifique (France)**
- 2018-09
Internship
Internship under the Erasmus+ project at the CNRS, IEMN (Institut d'Électronique, de Microélectronique et de Nanotechnologie) in the NanoBioInterfaces group.
Scope of the project: "Synthesis of nanomaterials for biomedical applications focused on anti-cancer (breast cancer) therapies"



Personal Info

Phone

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Email

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LinkedIn

tomasz-swebocki



Google Scholar

Skills

Construction of Multimedia Materials
Creative Problem Solving
Fast Learner
Laboratory Management
Paper Writing
Research Supervision
Team Management
Team Working

2017-01
- 2018-12

**Ministry of Climate and Environment of Norway and
„SOLUTIO Norway" AS by TechTransBalt Sp. z o.o.**

Project Contractor

"Electrochemical methods for hydrogen peroxide removal from marine waters in industrial fish farming"

- developing methods for pesticide electrodegradation
- optimization of hydrogen peroxide electrolysis processes in water environments
- engineering of glassy carbon (GC) and tin oxide (ITO/FTO) conductive surfaces

2017-01
- 2017-02

Institute of Oceanology of the Polish Academy of Sciences

Project Assistant

Grant no: (BIOSTRATEG3/343927/3/NCBR/2017)

"Modeling the impact of farms and catchment area use structures on the example of the Puck commune on the quality of land and sea waters located in the Baltic Sea coastal zone - WaterPUCK Integrated Information and Prediction Service"

- collecting samples for analysis:
 - DIC, DOC
 - total alkalinity, biogenic substances
 - macro of ions, trace metals
 - pharmaceuticals
- in situ measurements:
 - oxygen, PSU, pH, Eh

Additional Activities

2018-01
- present

Member of the Board

Young Section of Polish Chemical Society (YSPCS/SMPTChem)

smptchem.pl

Editor of the scientific monograph SMPTChem "Kwadrans dla Chemii", Media Communication, EYCN Delegate of Poland

2021-09
- present

Member of the Board (Secretary)

Euroepan Young Chemists' Network (EYCN)

eycn.eu

2017-01
- 2021-07

Member

Polish Chemical Society (PCS/PTChem)

ptchem.pl

2020-05
- 2022-12

Reaxys advisor

Elsevier

2016-01
- 2021-07

Member

Chemistry Student's Science Club (NKCh UG)

nkch.ug.edu.pl

2018-01
- 2021-07

Vice-president for Science

Student's Council of the University of Gdansk

parlament.ug.edu.pl

Practical Skills

Bacteriological Assessments

Basic Organic Synthesis

BSL 2/3 Class Work Experience

Cell Culture

Chromatography

Electrochemical Methods

FT-IR/UV-Vis/NMR Spectroscopy

Modelling for 3D Printing

Optical and Confocal Microscopy

OriginPro Environment

Synthesis of Nanomaterials

MS Office Environment

Python Programming

Languages

English - C2

French - B1

Swedish - A1

2018-01
- 2021-07

Member
Senate of the University of Gdansk

ug.edu.pl

- member of the Senate Committee on Science and International Cooperation
- member of the Senate Disciplinary Committee for Students

2016-01
- 2018-01

Chair
Students' Council of the Faculty of Chemistry of University of Gdansk (RSSWCh UG)

chemia.ug.edu.pl

Science-related Awards

2017-10 **Rectors' Prize for Best Students (2nd degree)**

2018-10 **Rectors' Prize for Best Students (1st degree)**

2019-10 **Rectors' Prize for Best Students (1st degree)**

2020-10 **Rectors' Prize for Best Students (1st degree)**

Certificates

2020-05 **Elsevier**

- Reaxys in practice - searching for substances and their properties

2018-01 **CM UMK in Bydgoszcz**

- The use of biotransformation and magnetic nanotechnology in the preparation of enantiomerically pure therapeutic compounds derived from 2-arylpropionic acid

2017-01 **J.S. Hamilton**

Workshops:

- Basic requirements for food contact materials
- The use of analytical techniques in the study of unusual products on the example of the study of archaeological objects