Prof. UAM Dr. Habil. JOANNA GOŚCIAŃSKA

Personal Information:
Date of Birth: 13.03.1981
Address: Uniwersytetu Poznańskiego 8, 61-614 Poznań, Poland
Phone number: +48-724-221-607
Email: asiagosc@amu.edu.pl
ORCID: 0000-0002-4202-652X

Academic and Research Career:

2019	Adam Mickiewicz University, Poznań, Faculty of Chemistry Habilitation in the field of Chemistry Habilitation thesis title: "Mesoporous carbon materials with defined physicochemical properties dedicated to adsorption processes of selected organic compounds from the liquid phase" **Date of awarding post-doctoral degree (habilitation degree): 20.12.2019**
2005 – 2009	Adam Mickiewicz University, Poznań, Faculty of Chemistry PhD studies in the field of Chemistry PhD thesis title: „Mesoporous materials containing Zr and Nb as supports for platinum – physicochemical and catalytic properties" Supervisor: prof. Maria Ziółek **Date of awarding the doctoral degree: 19.06.2009**
2000 – 2005	Adam Mickiewicz University, Poznań, Faculty of Chemistry Master's degree studies in the field of Chemistry MSc thesis title: "Platinum catalysts supported on micro- and mesoporous materials – characteristics, catalytic properties" Supervisor: prof. Maria Ziółek

Work Experience:

2020 – present	Adam Mickiewicz University, Poznań, Faculty of Chemistry, Department of Chemical Technology, Position: Associate Professor
2009 – 2019	Adam Mickiewicz University, Poznań, Faculty of Chemistry, Laboratory of Applied Chemistry, Position: Assistant Professor

International Scientific Internships:

X. 2022	Friedrich Schiller University Jena, Germany
V. 2022	University of Bucharest, Romania
IX.2021	University of Alicante, Spain
X.2011	SPECS Surface Nano Analysis GmbH, Berlin, Germany, Practical training: Electron Spectroscopic Surface Science Methods: XPS and STM/AFM
IX-X.2008	Laboratoire Catalyse et Spectrochimie, UMR 6506 – CNRS, ENSICaen and Université de Caen Basse-Normandie, Caen, France
IX-XII.2007	Laboratoire Catalyse et Spectrochimie, UMR 6506 – CNRS, ENSICaen and Université de Caen Basse-Normandie, Caen, France
IX.2004-III.2005	Laboratoire Catalyse et Spectrochimie, UMR 6506 – CNRS, ENSICaen, and Université de Caen Basse-Normandie, Caen, France, Socrates-Erasmus scholarship

Scholarships and Awards:

2026	Chemistry Europe Fellow 2024/25
2025	Adam Mickiewicz University Rector's Awards for organizational achievements
2019, 2022,2024	Adam Mickiewicz University Rector's Awards for scientific achievements
2022, 2023	Adam Mickiewicz University Rector's Award for educational achievements
2018	Habilitation fellowship „L'ORÉAL-UNESCO FOR WOMEN IN SCIENCE", Poland
2018	Special Award of the Minister of Science and Higher Education for scientific achievements
2016-2019	Scholarship for Outstanding Young Scientist awarded by the Minister of Science and Higher Education in Poland
2016-2017	Scholarship for outstanding academic teacher awarded by the Rector of Adam Mickiewicz University
2014	Adam Mickiewicz University Rector's Awards for organizational achievements
2014, 2015, 2016	Adam Mickiewicz University Rector's Awards for scientific achievements
2014	The Best Presentation Award at the XIV Polish-Ukrainian Symposium on Theoretical and Experimental

	Studies of Interfacial Phenomena and their Technological Application
2013, 2014	Adam Mickiewicz University Rector's Award for educational achievements
2012	The first Prize in the competition "Laboratory" for subsidizing research equipment, organized at the Faculty of Chemistry, Adam Mickiewicz University, Poznań
2010	Scholarship of the City of Poznań for young outstanding researchers from the Poznań scientific community
2010	The Best Poster Award at the IV Polish Conference on Nanotechnology, Poznań
2009	Aleksander Zamojski Award for the best PhD thesis
2009	Adam Mickiewicz University Award for PhD thesis
2007	Scholarship of Kulczyk family for scientific achievements
2006-2009	Adam Mickiewicz University Rector's scholarship for the best PhD students
2006	Scholarship of Adam Mickiewicz University Foundation for the best PhD students
2005	MAXIMA CUM LAUDE Award for the best students of AMU

The Most Important Scientific Publications in Journals included in the JCR Database (2020-2025):

1. J. Goscianska, A. Malaika, ***"A facile post-synthetic modification of ordered mesoporous carbon to get efficient catalysts for the formation of acetins"***, Catalysis Today 357 (2020) 84-93
2. A. Malaika, M. Heinrich, J. Goscianska, M. Kozlowski, „***Synergistic effect of functional groups in carbonaceous spheres on the formation of fuel enhancers from glycerol"***, Fuel 280 (2020) 118523
3. J. Goscianska, A. Ejsmont, A. Olejnik, D. Ludowicz, A. Stasiłowicz; J. Cielecka-Piontek, „***Design of paracetamol delivery systems based on functionalized ordered mesoporous carbons"***, Materials 13 (2020) 4151
4. J. Hwang, A. Ejsmont, R. Freund, J. Goscianska, B.V.K.J. Schmidt, S. Wuttke, ***„Controlling the morphology of metal-organic frameworks and porous carbon materials: metal oxides as primary architecture-directing agents"***, Chemical Society Reviews 49 (2020) 3348-3422
5. A. Ejsmont, J. Andreo, A. Lanza, A. Galarda, L. Macreadie, S. Wuttke, S. Canossa, E. Ploetz, J. Goscianska, ***„Application of reticular diversity in metal-organic frameworks: an ever-evolving state of the art"***, Coordination Chemistry Reviews 430 (2021) 213655
6. J. Goscianska, A. Olejnik, A. Ejsmont, A. Galarda, S. Wuttke, ***„Overcoming the paracetamol dose challenge with wrinkled mesoporous carbon spheres"***, Journal of Colloid and Interface Science 586 (2021) 673-682
7. A. Olejnik, J. Goscianska, ***"On the importance of physicochemical parameters of copper and aminosilane functionalized mesoporous silica for hydroxychloroquine release"***, Materials Science & Engineering C 130 (2021) 112438
8. A. Ejsmont, A. Stasiłowicz-Krzemień, D. Ludowicz, J. Cielecka-Piontek, J. Goscianska, ***"Synthesis and Characterization of Nanoporous Carbon Carriers for Losartan Potassium Delivery"***, Materials 14 (2021) 7345
9. J. Goscianska, A. Ejsmont, A. Kubiak, D. Ludowicz, A. Stasiłowicz, J. Cielecka-Piontek, ***"Amine-grafted mesoporous carbons as benzocaine-delivery platforms"***, Materials 14 (2021) 2188
10. J. Goscianska, A. Galarda, A. Ejsmont, S. Wuttke, ***"Identification of the Physicochemical Factors Involved in the Dye Separation via Methionine-Functionalized Mesoporous Carbons"***, Advanced Sustainable Systems 5 (2021) 2100013
11. R. Ryczkowski, J. Goscianska, R. Panek, W. Franus, K. Przybysz, J. Grams, ***"Sustainable nickel catalyst for the conversion of lignocellulosic biomass to H_2-rich gas"***, International Journal of Hydrogen Energy 46 (2021) 10708
12. R. Freund, O. Zaremba, G. Arnauts, R. Ameloot, G. Skorupskii, M. Dincă, A. Bavykina, J. Gascon, A. Ejsmont, J. Goscianska, M. Kalmutzki, U. Lächelt, E. Ploetz, C.S. Diercks, S. Wuttke, ***"The Current Status of MOF and COF Applications"***, Angewandte Chemie - International Edition 60 (2021) 23975
13. A. Ejsmont, A. Jankowska, J. Goscianska, ***„Insight into the Photocatalytic Activity of Cobalt-based Metal-Organic Frameworks and Their Composites"***, Catalysts 12 (2022) 110
14. M. Marciniak, J. Goscianska, M. Norman, T. Jesionowski, A. Bazan-Wozniak, R. Pietrzak, ***„Equilibrium, kinetic and thermodynamic studies on adsorption of rhodamine B from aqueous solutions using oxidized mesoporous carbons"***, Materials 15 (2022) 5573
15. M. Ptaszkowska-Koniarz, J. Goscianska, A. Bazan-Wozniak, R. Pietrzak, ***„Amine-modified carbon xerogels as effective carbon based adsorbents of anionic dye from aqueous solutions"***, Materials 15 (2022) 5736
16. Suhas, S. Kushwaha, I. Tyagi, J. Ahmed, S. Chaudhary, M. Chaudhary, I. Stephen, J. Goscianska, R. R. Karri, K. Sridhar, ***"Adsorptive analysis of azo dyes on activated carbon prepared from Phyllanthus emblica fruit stone sequentially via hydrothermal treatment"***, Agronomy 12 (2022) 2134

17. J. Goscianska, A. Ejsmont, A. Stasiłowicz-Krzemień, S. Sip, J. Cielecka- Piontek, ***„Enhancing antimicrobial activity of β-lactam antibiotic via functionalized mesoporous carbon-based delivery platforms”***, Microporous and Mesoporous Materials 343 (2022) 112160
18. J. Goscianska, R. Freund, S. Wuttke, ***“Nanoscience versus Viruses: The SARS-CoV-2 case”,*** Advanced Functional Materials 32 (2022) 2107826
19. A. Olejnik, R. Panek, J. Madej, W. Franus, J. Goscianska, ***“Low-cost zeolitic carriers for delivery of hydroxychloroquine immunomodulatory agent with antiviral activity”***, Microporous and Mesoporous Materials 346 (2022) 112315
20. A. Ejsmont, A. Warowicka, J. Broniarczyk, J. Goscianska, ***“The synergistic effect of Cu-MOF nanoparticles and immunomodulatory agent on SARS-CoV-2 inhibition”***, Chemical Communications 59 (2023) 4907-4910
21. A. Ejsmont, K. Kadela, G. Grzybek, T. Darvishzad, G. Słowik, M. Lofek, J. Goscianska, A. Kotarba, P. Stelmachowski, ***“Speciation of oxygen functional groups on the carbon support controls the electrocatalytic activity of cobalt oxide nanoparticles in the oxygen evolution reaction”***, ACS Applied Materials & Interfaces 15 (2023) 5148-5160
22. E. Weidner, P. Bartczak, J. Goscianska, T. Jesionowski, M. Jaroniec, F. Ciesielczyk, ***“Soft-templating synthesis of mesoporous alumina enriched with lantana and its potential as diclofenac delivery system”***, Microporous and Mesoporous Materials 351 (2023) 112487
23. A. Ejsmont, J. Goscianska, ***“Morphology controlled nitrogen-doped mesoporous carbon vehicles for sustained release of paracetamol”***, Microporous and Mesoporous Materials 350 (2023) 112449
24. R. Freund, A. Lanza, S. Canossa, M. Gemmi, J. Goscianska, V. Cauda, M. Oschatz, S. Wuttke, ***“Understanding the Chemistry of Metal Oxide to Metal-Organic Framework Reactions for Morphology Control”***, Chemistry of Materials 35 (2023) 1891-1900
25. A. Ejsmont, A. Lewandowska-Andralojc, K. Hauza, J. Goscianska, ***“In situ modification of Co-MOF with graphene oxide for enhanced photocatalytic hydrogen production”***, International Journal of Hydrogen Energy 48 (2023) 8965-8970
26. S. Dutta, R. Fernandez de Luis, J. Goscianska, A. Demessence, R. Ettlinger, S. Wuttke, ***“Metal-organic frameworks for water desalination”***, Advanced Functional Materials (2023) 2304790
27. J. Grams, A. Jankowska, J. Goscianska, ***“Advances in design of heterogeneous catalysts for pyrolysis of lignocellulosic biomass and bio-oil upgrading***”, Microporous and Mesoporous Materials 362 (2023) 112761
28. J. Wang, R. Abezari, S. Sanati, A. Ejsmont, J. Goscianska, Y. Zhou, D.P. Dubal, ***“Wate-stable fluorous metal-organic frameworks with open metal sites and amine groups for efficient urea electrocatalytic oxidation”***, Small 19 (2023) 2300673
29. A. Ejsmont, T. Darvishzad, G. Słowik, P. Stelmachowski, J. Goscianska, ***“Cobalt-based MOF-derived carbon electrocatalysts with tunable architecture for enhanced oxygen evolution reaction”***, Journal of Colloid and Interface Science 653 (2024) 1326-1338
30. A. Ejsmont, S. Dutta, A. Jankowska, S. Wuttke, J. Goscianska, ***“Governing the porosity and morphology of Zeolitic-Imidazolate Framework-derived functional carbon toward improved adsorption of cationic dyes”***, Chemistry of Materials 36 (2024) 4468-4480
31. A. Ejsmont, A. Lewandowska-Andralojc, J. Goscianska, ***“From Co-MOF to Co@carbon - comparison of needle-like catalysts in photo-driven hydrogen evolution”***, International Journal of Hydrogen Energy 67 (2024) 704-714
32. S. Dutta, E. Lizundia, J. Goscianska, R. Ettlinger, E. Ploetz, Y. E Greish, A. Khaleel, M. Benkraouda, A. Ghaffarkhah, M. Arjmand, S. Wuttke, ***“MOFs and COFs for Radionuclide and Nuclear-Waste Treatment”***, Advanced Materials 37 (2025) e18734
33. A. Jankowska, R. Panek, W. Franus, J. Goscianska, ***“Fly ash converting into ordered mesoporous silica materials for water purification from azo dyes”***, Microporous and Mesoporous Materials 395 (2025) 113683
34. M. Bordeiasu, J. Goscianska, R. Panek, A. Nicolaev, B. Jurca, V. Parvulescu, S. M Coman, ***“Magnetic Fe, Co-Nanocarbon Frameworks Derived from Fe-Doped Zeolitic Imidazolate Framework-67 as Highly Active Catalysts for 5-Hydroxymethylfurfural Oxidation”***, ChemSusChem 18 (2025) 2500678

Citations of Scientific Publications: 4767 (Scopus); h-index: 38 (Scopus)