

Violetta Patroniak

Personal Information

Nationality: Polish

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Research Experience

2014-present	Professor and Head of Department of Functional Nanostructure Synthesis, Adam Mickiewicz University in Poznań, Poland
2009-2014	Associate Professor, Faculty of Chemistry, Adam Mickiewicz University in Poznań, Poland
2006-2009	Assistant Professor at the Laboratory of Bioinorganic Chemistry, Adam Mickiewicz University in Poznań, Poland
2001-2002	Post-doc at Institute of Science and Supramolecular Engineering (ISIS), University of Strasbourg, France Supervisor: Prof. Jean-Marie Lehn
1999	Post-doc at Institute of Engineering, University of Catania, Italy Supervisor: Prof. Paolo Finnochciaro
1995-2006	Adjunct at the Laboratory of Bioinorganic Chemistry, Adam Mickiewicz University in Poznań, Poland Supervisor: Prof. Wanda Radecka-Paryzek
1988-1995	PhD at the Laboratory of Bioinorganic Chemistry, Adam Mickiewicz University in Poznań, Poland Supervisor: Prof. Wanda Radecka-Paryzek
1983-1988	M.Sc. at the Laboratory of Bioinorganic Chemistry, Adam Mickiewicz University in Poznań, Poland Supervisor: Prof. Wanda Radecka-Paryzek

Chairman 1st and 3rd French-Polish Chemistry Congress in Paris at PAS, Polish Embassy and Paris Sorbonne University, Institute Polish Library in Paris (2019, 2026)

Chairman 2nd French-Polish Chemistry Congress in Montpellier (2023)

Chairman French-Polish Symposium on Chemistry in Paris at PAS (2022)

Organizer 1st and 2nd Assises Franco-Polonoises de Chimie in Paris at PAS, Polish Embassy (2018, 2015)

Member of the Scientific Council of the Institute of Physical Chemistry of the Polish Academy of Sciences in Warsaw (2019-2022)

National Science Center

Chairman of the Permanent Team ST 2 at the National Science Center (2020-2021)(2025-2026)

Chairman of the ST4 Panel at OPUS and PRELUDE at the National Science Center (2019)

Chairman of the ST5 Panel at OPUS at the National Science Center (2018)

Expert in Panel ST5 at OPUS and PRELUDE at the National Science Center (2017)

Expert in ST Panel at SONATA BIS at the National Science Center (2017/2018)

Member of the Chemical Sciences Committee of the Polish Academy of Sciences (2019-2026)

Reviewer of over 60 doctoral and habilitation theses.

Funding

2023-2028	Principal Investigator in GRANT 2022/47/B/ST4/02310 founded by Polish National Science Center, Project overview: Application of new complexes in electrocatalytic transformations of carbon dioxide and water
2019-2022	Partner in H2020-MCSA-ITN 813036, ULTIMATE founded by European Commission Project overview: Bottom-Up generation of atomically precise synthetic 2D MATERIALS for high performance in energy and Electronic applications – A multi-site innovative training action
2017-2021	Principal Investigator in GRANT 2016/21/B/ST5/00175 founded by Polish National Science Center, Project overview: Supramolecular interactions in systems based on polyoxometalates
2012-2015	Principal Investigator in GRANT 2011/03/B/ST5/01036 founded by Polish National Science Center, Project overview: The supramolecular architectures in new d- and f-metal ions complexes
2007-2010	Principal Investigator in GRANT NN 204 27 16 33 founded by Polish Ministry of Science and Higher Education, Project overview: New supramolecular architectures as a result of self-assembly of d- and f-metal ions
2003-2006	Principal Investigator in GRANT 4 T09A 049 24 founded by Polish Ministry of Science and Higher Education, Project overview: The new supramolecular grid-type complexes of d- and f-metal ions

Publications - 127

Metrics: 2900 citations, h-index= 31

The most important publication in the last five years (30) :

1. D. Prętko, P. Woźny, M. Kubicki, M. Runowski, V. Patroniak, G. Consiglio, G. Forte, A. Gorczyński, Solid-state supramolecular assembly, luminescence thermometry and solution-state photoisomerization studies in lanthanide polyoxazamacrocyclic, J. Mol. Chem. C, 2026, 14, 11761
2. P. J. Kulesza, I. A. Rutkowska, A. Chmielnicka, B. Rytelowska, O. Siamuk, A. Gorczyński, V. Patroniak Development of catalytic systems for reduction of electrochemically inert inorganic molecules: Carbon dioxide and nitrogen Curr. Opinion in Electrochemistry, 2025, 1001657
3. D. Marcinkowski, D. Prętko, P. Woźny, J. Kobylarczyk, A. Siwiak, D. Pakulski, K. Roszak, A. Katrusiak, R. Herchel, R. Podgajny, S. Sobczak, N. Majewska, S. Mahlik, M. Runowski, A. Gorczyński

Nd(III)-Based Temperature-Independent Manometer and Pressure-Independent Thermometer with Slow Relaxation of Magnetization

Adv. Opt. Mat., 2025, doi: 10.1002/adom.202500495

4. D. Nowicka, N. Vadra, E. Wieczorek-Szweda, V. Patroniak, A. Gorczyński
Overview of Wells-Dawson Polyoxometalates: from structure and functionalization to application
Coord. Chem. Rev., 2024,519, 216091

5. D. Nowicka, M. Kubicki, V. Patroniak, T. Łuczak, A. Gorczyński,
Self-assembly of simple Schiff base ligand into unique saddle-type [4x4] tetranuclear architecture and its application as selective voltammetric dopamine sensor in aqueous conditions
Electrochim. Acta, 2024, 476, 143754

6. M. Mańka, W. Kukułka, M. Wlazło, V. Patroniak, A. Ciesielski, V. Montes-García, P. Samorì
Systematic Study of Zeolitic Imidazolate Frameworks for Enhanced Electrochemical Aldehyde Sensing
Chem. Commun., 2025, 61, 1617

7. D. Pakulski, V. Montes-García, W. Czepa, D. Marcinkowski, H. Peng, T. Chudziak, A. Gorczyński, W. Kukułka, C. Valentini, V. Patroniak, P. Samorì, A. Ciesielski
MOF (UiO-66-NH₂)@COF (TFP-TABQ) hybrids *via* on-surface condensation reactions for sustainable energy storage
Chem. Commun. 2024, 60, 412-415

8. D. Nowicka, N. Vadra, E. Wieczorek-Szweda, V. Patroniak, A. Gorczyński
Overview of Wells-Dawson Polyoxometalates: from structure and functionalization to application
Coord. Chem. Rev., 2024,519, 216091

9. D. Pakulski, A. Gorczyński, D. Brykczyńska, V. Montes-García, W. Czepa, I. Janica, M. Bielejewski, M. Kubicki, P. Samorì, A. Ciesielski
New Anderson-based polyoxometalate covalent organic frameworks as electrodes for energy storage boosted through keto-enol tautomerization
Angew. Chem. Int. Ed., 62(32), e202305239, (2023)

10. D. Marcinkowski, M Kubicki, G Consiglio, Z Hnatejko, A.M Majcher-Fitas, R. Podgajny, V. Patroniak, A. Gorczyński
Unexpected structural complexity of d-block metallocsupramolecular architectures within the benzimidazole-phenoxo ligand scaffold for crystal engineering aspects
Sci. Rep. 13 (1), 18055

Awards

2006	Award Witold Kemula's of The Polish Society of Chemistry
2000	NATO's fellowship for post-doc in laboratory of Prof. Jean-Marie Lehn at Institute of Science and Supramolecular Engineering (ISIS), University of Strasbourg, France
1999	fellowship of Italian Government for postdoc in group of Prof. Paolo Finnocchiaro, University of Catania
2025, 2020, 2019, 2017, 2015, 2005	Prize of Rector of AMU for the scientific achievements, Poznań, AMU

2018	Scientific Fellowship of Rector of AMU, Poznań AMU
2020-2024	Support of the most productive scientifically experienced staff IDUB UAM