Assoc. Prof. Dr. Marcin Górecki

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AFFILIATION

Institute of Organic Chemistry of the Polish Academy of Sciences
Kasprzaka 44/52 St., 01-224 Warsaw, Poland
Current position: Associate Professor, Head of the Optical Spectroscopy & X-ray Laboratory

MEMBERSHIPS

- Member of the Committee of Chemistry of the Polish Academy of Sciences for the term 2024-2028
- Member of the National Committee of PAN for cooperation with the International Union of Pure and Applied Chemistry (IUPAC) for the term 2024-2028
- Member of the Scientific Council of the Institute of Organic Chemistry, Polish Academy of Sciences (IChO PAN) for the term 2023-2027
- Representative of the employees of IChO PAN for the term 2024-2029
- Member of the Polish Chemical Society (PTChem), Warsaw Division, Section of Physical Organic Chemistry and Section of the History of Chemistry.

EDUCATION

2002 – 2007 Warsaw University of Technology, Faculty of Chemistry

2007 MSc, Warsaw University of Technology, Faculty of Chemistry

2013 PhD, Military University of Technology, Faculty of Chemistry

2022 DSc, Institute of Organic Chemistry, Polish Academy of Sciences

LANGUAGES

Polish (native), English, Italian

PROFESSIONAL EXPERIENCE

2007-2020 Researcher, Institute of Organic Chemistry, Polish Academy of Sciences

2008-2013 Visiting Researcher, Eötvös Loránd University (ELTE), Budapest; European Centre for Chirality (EC2), University of Antwerp, 8 short stays (1-2 week/s)

2016-2017 Post-doc, University of Pisa (Group of Prof. L. Di Bari & Prof. G. Pescitelli), *Mobility Plus* Program (Polish Ministry of Science and Higher Education), 2 years

2018 Visiting Researcher, Diamond Light Source, Oxford, 1 week

2019 Visiting Researcher, University of Pisa (Group of Prof. L. Di Bari & Prof. G. Pescitelli), Bekker Program, 1 year

2020-2022 Assistant Professor, Institute of Organic Chemistry, Polish Academy of Sciences

since 2020 Head of the Optical Spectroscopy & X-ray Laboratory, Institute of Organic Chemistry, Polish Academy of Sciences

since 2020 Head of the XIIIb sub-group at the Institute of Organic Chemistry, Polish Academy of Sciences

since 2023 Associate Professor, Institute of Organic Chemistry, Polish Academy of Sciences

SELECTED AWARDS

2023 *Chemistry European Fellow*, Class of 2022-2023; distinction awarded by *Chemistry Europe* – an association of 16 chemical societies from 15 European countries.

2022 *Ex aequo* 2nd degree award (up to 40 years of age), Award of Wojciech Świętosławski in recognition of outstanding scientific achievements in the field of chemistry given by the Warsaw Division of the Polish Chemical Society

2021 Director's scientific award for a young scientist in 2021, Institute of Organic Chemistry, Polish Academy of Sciences

2020 Award for Outstanding Scientific Achievements in 2020 founded by the Director of the Institute of Organic Chemistry, Polish Academy of Sciences

2020 Award for the best settlement of the Bekker Scholarship founded by the Polish National Agency for Academic Exchange (NAWA); granted additional funding for the dissemination of the project's results

2019 Award for Outstanding Scientific Achievements in 2019 founded by the Director of the Institute of Organic Chemistry, Polish Academy of Sciences

2017 Conference scholarship funded by Vanderbilt University (USA) to participate in the International Conference on Chiroptical Spectroscopy (CD 2017)

2016 Outstanding Contribution in Reviewing articles in *Phytochemistry*, Elsevier, Amsterdam

2015 Award for the best presentation at the 15th International Conference on Chiroptical Spectroscopy (CD 2015), Sapporo

2014 Award for the best presentation at the 4th Vibrational Optical Activity (VOA-4), Baoding

GRANTS/FUNDING RECEIVED SO FAR

2020 - 2024 Research grant *Sonata* founded by the Polish National Science Centre (NCN)

2019 Traveling grant within the *Bekker Scholarship* funded by the Polish National Agency for Academic Exchange (NAWA)

2016-2017 Traveling grant *Mobility Plus* funded by the Polish Ministry of Science and Higher Education (MNiSW)

2012 - 2015 Research grant *Preludium* funded by the Polish National Science Centre (NCN)

since 2012 Computational grant funded by the Wroclaw Centre for Networking and Supercomputing (WCSS)

SELECTED INVITED PRESENTATIONS

2023 *Circular Dichroism Spectroscopy (CD) in the Study of Solvatomorphism of Chiral Active Pharmaceutical Ingredients (APIs)*, 66th Scientific Meeting of the Polish Chemical Society, Poznań, September 15-20, 2024.

2023 *Circular Dichroism for Exploring Polymorphs of APIs*, 33rd International Symposium on Chirality, Italy, Rome, July 24-27, 2023.

2023 *Solid-State Circular Dichroism as a Tool for Supporting Drug Design Development*, 19th International Conference on Chiroptical Spectroscopy (CD 2023), Japan, Hiroshima, September 17-21, 2023.

2022 *Chiroptical methods in the analysis of biologically active compounds*, Polpharma, Starogard Gdański, 25 XI 2022.

2022 *Circular dichroism (CD) versus stereochemistry of biologically active compounds,* Conference "Biologically active compounds - activity, structure, synthesis", University of Białystok, 17 XI 2022.

2022 *Circular dichroism imaging (CDi) for probing chiral solids*, COST Action Chemobrionics Pisa Meeting 2022, Pisa, 5-7 IX 2022.

2018 *Vibrational Circular Dichroism as a tool for sensing chiral molecules in solution and solid-state*, Jagiellonian University, Cracow, 21-22 VI 2018.

2018 *Absorption and emission chiraloptical methods for designing optoelectronic devices*, Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, 9 II 2018.

2017 *Circular Dichroism Imaging (CDi) for Mapping Molecular Organization of Chiral Functional Polymers*, 16th International Conference on Chiroptical Spectroscopy (CD 2017), Rennes, 11-15 VI 2017.

2016 *Circular dichroism as an assistant for solving structural problems in solution and solid-state*, University of Pisa, 1 III 2016.

2015 *Circular dichroism in study polymorphic forms*, IV Conference "Biologically active compounds - activity, structure, synthesis", University of Bialystok, 12-14 X 2015.

2014 *Circular dichroism in pharmaceutical analysis*, CelonPharma Inc., Łomianki, 10 III 2014.

2014 *Distinguishing Between Polymorphic Forms of Chiral Active Pharmaceutical Ingredients by Solid-State Circular Dichroism*, 6th International Conference on Drug Discovery and Therapy, Dubai, 10-12 II 2014.

2013 *Simultaneous use of several chiroptical methods in confident molecular structure elucidation,* Eötvös Loránd University, Budapest, 2 XII 2013.

2013 *Structure determination of bioactive compounds by simultaneous application of multiple chiroptical methods*, 14th International Conference on Chiroptical Spectroscopy (CD 2013), Nashville, 9-13 VI 2013.

2010 *CD and related measuring techniques including ORD: Possibilities of measuring solid-state samples*, ABL&E JASCO Training, Budapest, 27-30 IX 2010.

PAPERS

https://orcid.org/0000-0001-7472-3875

total number of papers – 95
total number of citations – 1650
H-index – 22

SCIENCE POPULARISATION

Date and place of publication	Short information	Link
1 IV 2020, service YouTube	~3 min. video describing the main goals and activities of the Bekker Scholarship for the National Agency for Academic Exchange recorded in Pisa (XII 2019)	https://www.youtube.com/watch?v=pNVyKyvDd3I
9 V 2021, service YouTube	~4 min. video entitled "Chirality and circular dichroism" recorded as part of the 24th edition of the Science Festival (III 2020)	https://www.youtube.com/watch?v=j1PdbQVGTPI
9 II 2022, – service YouTube, – web–site NAWA, – service FB – service Twitter	~5 min. video presenting the results obtained within the Bekker Scholarship (NAWA) and promoting this program. The recording both in Poland (IV 2021) and Italy (XI 2021) was financed as part of the additional support received from NAWA for the dissemination of the project results. This material was published with the text on the main website of NAWA.	https://www.youtube.com/watch?v=lhcyU–79OnM & https://nawa.gov.pl/nawa/aktualnosci/z–warszawy–do–pizy–o–badaniach–stypendysty–programu–bekker–nawa–dra–marcina–goreckiego
1 III 2022, – service FB *Accademia Polacca* - web-site	70 Polish–Italian Scientific Stories for 70° anniversario dell'Accademia Polacca delle Scienze, Scientific Center of the Polish Academy of Sciences in Rome	https://www.facebook.com/share/p/6cKBZnKQkHqZiruf/

17 III 2022, – web-site NAWA, – service FB – service Twitter	A short presentation of my project and its primary outcomes during the announcement of the 5th edition of the Bekker Scholarship from NAWA	https://nawa.gov.pl/en/nawa/news/steer-your-career-in-science-call-for-applications-for-the-fifth-edition-of-the-bekker-nawa-programme-is-now-open
27 I 2023, – web-site, – service FB	Presentation of my profile during the virtual event "October: The Month of NAWA Scholars." Post titled "How Can the Bekker NAWA Program Contribute to the Development of a Scientific Career? Dr. Marcin Górecki from IChO PAN answered this question."	https://www.facebook.com/photo?fbid=480496924108711&set=pb.100064452232243.-2207520000
27 I 2023, – service FB *Accademia Polacca* - web-site	Interview for the Research Center of the Polish Academy of Sciences in Rome entitled "On Polish-Italian scientific cooperation and chirality - a conversation with Prof. Marcin Górecki"	https://rzym.pan.pl/en/blog/2023/01/27/o-naukowej-wspolpracy-polsko-wloskiej-i-chiralnosci-rozmowa-z-prof-marcinem-goreckim/
VI 2023	Preparation of a promotional video showcasing the potential of the Laboratory of Bioactive Substance Analysis at IChO PAN (scriptwriting, directing, organizing the recordings, subtitles, editing).	https://www.youtube.com/watch?v=eu7G5ubem04
XII 2023 - service YouTube	A ~25-minute short documentary titled "Maria Skłodowska-Curie in Italy in Search of Radium" (partial acquisition of funding, close collaboration with the Polish Academy of Sciences Scientific Station in Rome, historical research, production, scriptwriting, storyboard, brief appearances in the film, promotion in Poland and Italy).	**PL** https://www.youtube.com/watch?v=t6bzldgvzhY **IT** https://www.youtube.com/watch?v=jungXIONAEk **EN** https://www.youtube.com/watch?v=U6xnA7TRibI
2024	• Popular science article in "Il Piccolo Cimento" titled "Maria Skłodowska-Curie's Visit to Italy in 1918," 2024, No. 2, https://piccolocimento.dcci.unipi.it/curie-italia-1918.html • Cover of the 1/2024 issue of the scientific and technical journal "*Chemik*" promoting the documentary "Maria Skłodowska-Curie in Italy in Search of Radium." • Article for the website of the *Polish Chamber of Chemical Industry* titled "Film about Maria Skłodowska-Curie's Visit to Italy", March 8, 2024. • Article in Polish and Italian; M. Górecki, A. Stefaniak-Hrycko, M. Koral – "Maria Skłodowska-Curie in Italy in Search of Radium" in "*Gazzeta Italiana*," May 2024. • M. Górecki, A. Stefaniak-Hrycko, review article titled "In the Footsteps of Maria Skłodowska-Curie in Italy", *Chemistry in School*, 3/2024. • Preparation of materials for the editorial team of *ChemistryView* for Dr. Vera Koester's article titled "Marie Curie's 1918 Research Tour of Italy," August 1, 2024. • Invited lecture at the 66th Scientific Meeting of the Polish Chemical Society, Section of the History of Chemistry titled "Three Journeys of Maria Skłodowska-Curie to Italy", Poznań, September 15-20, 2024. • M. Górecki, "Maria Skłodowska-Curie's Italian Journeys", *Wiadomości Chemiczne*, 2024, 78, 11-12.	