

CURRICULUM VITAE

NAME: Zbigniew Czarnocki

SEX: Male

DATE OF BIRTH: February 8, 1954

PLACE OF BIRTH: Warsaw, Poland

NATIONALITY: Polish

MAILING ADDRESS: Faculty of Chemistry, University of Warsaw, Pasteura 1, 02-093
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EDUCATION:

- May 1993. Doctor of Science Degree (Habilitation, with honors)
- June 1989-October 1989. Visiting scientist. McMaster University, Hamilton, Canada
- May 1988-October 1988. Visiting scientist. McMaster University, Hamilton, Canada
- October 1984-October 1986. Post doctoral research fellow, McMaster University, Hamilton, Canada (with Professor David B. MacLean)
- October 1977-March 1983: Ph.D. in Chemistry, Faculty of Chemistry, Warsaw University, Poland
- October 1972-May 1977: Bachelor in Sciences, Faculty of Chemistry, Warsaw University, Poland

EMPLOYMENT RECORD:

- January 2002-now: Professor of Organic Chemistry, Head of the Laboratory of Natural Products Chemistry, Faculty of Chemistry, University of Warsaw
- March 1996-January 2002: Associate Professor of Organic Chemistry.
- October 1996-September 2002: Vice-Dean of the Faculty of Chemistry, University of

Warsaw

- September 2012 – September 2017: Dean of the Interfaculty Studies in Environmental Protection, University of Warsaw
- September 2011 – present: Chairman of the Committee for Doctoral Dissertations, Faculty of Chemistry, University of Warsaw

PROFESSIONAL AFFILIATION:

- Member, the American Chemical Society.
- Member, International Society of Tryptophan Research – till 2018.

EDITORIAL OR SCIENTIFIC BOARD MEMBERSHIP

- Member of the Editorial Board in *Journal of Amino Acids* till 2017
- Member of the Editorial Board in *ChronoPhysiology and Therapy* till 2018
- Member of the Editorial Board in *Modern Chemistry & Applications*
- Member of the Editorial Board in *Mediterranean Journal of Chemistry*
- Member of the Editorial Board of Reviewers in *ARKIVOC* (ARKAT, USA)
- 2016 Member of the Organizing Committee of the *International Conference on Stereochemistry*, São Paulo, Ibirapuera, Brazil
- 2019 Editor of the Special Issue in the journal *Molecules (Stereochemistry in action)* https://www.mdpi.com/journal/molecules/special_issues/Stereochemistry
- Member of the Scientific and Organizing Committee of *the World Congress on Chemistry 2019*, Dubai, UAE
- Twice a member of the Scientific Committee of *the International Conference on Recent Trends of Chemical and Biological Science in Medicine, Natural Product and Drug Discovery*, Berhampur University, Odisha, India in 2017 and 2019.
- In the period 2017-2019 – 7 times invited a member to the Panel of Experts for the Awards of the Minister of Science and Higher Education in Poland (Minister of Science) in various categories
- In the period 2017-2021 – 5 times invited by the Royal Swedish Academy of Sciences to nominate candidates for the Nobel Prize in Chemistry

AWARDS

- 1987 International Scientific Exchange Award (Government of Canada)
- 1993 Polish Academy of Science Award for outstanding scientific achievements in the field of organic chemistry
- 2005 Gold Cross of Merit (President of RP)
- 2009 - Swietoslowski Award for outstanding scientific achievements, Faculty of Chemistry,

University of Warsaw

- 2009 - Piekara Award for the best lecture, Faculty of Chemistry, University of Warsaw
- In 2004 and 2010 awards of the Polish Forensic Association for the best scientific paper of the year
- In 2021 ARKIVOC (ARKAT, USA) journal published a special issue dedicated to the 64th anniversary of Zbigniew Czarnocki's birth:
(<https://www.arkat-usa.org/arkivoc-journal/browse-arkivoc/2021/2/>)

SCIENTIFIC ACTIVITY:

During his 46-year academic activity, Zbigniew Czarnocki and his collaborators have contributed to various fields of organic chemistry, in particular: stereochemistry of organic molecules, asymmetric synthesis, heterocyclic chemistry, and chemistry of natural products.

His group was involved in development of novel catalytic methods, multicomponent reactions, photochemical synthesis, organocatalysis, physical chemistry of axially chiral molecules and bioorganic chemistry of enzyme inhibitors.

During the last 20 years his research was financed by 13 grants from the Ministry of Science and Higher Education and the National Science Centre, among others.

According to the current record in the Web of Science Zbigniew Czarnocki was the author or co-author in 152 peer-reviewed publications in international journals that have been cited independently over 2700 times to-date ($h=26$). Zbigniew Czarnocki was also the author of 40 non-peer-reviewed publications, one book chapter, one text book for students and 6 patents (4 European and 2 USP).

The research group of Zbigniew Czarnocki disclosed the results in the form of over 200 conference presentations. The list of 13 lectures, invited lectures and plenary lectures given by Zbigniew Czarnocki during international conferences over the last 12 years is shown below:

1. P. Roszkowski, K. Lisiecki, P. Pomarański, J. Szawkało, K. Krawczyk, Z. Czarnocki "Recent Results in the Stereoselective Synthesis of Atropisomeric Arylpyridines" *World Congress on Chemistry*, Dubai, UAE, 2019 – **plenary lecture**
2. Roszkowski P., Lisiecki K., Pomarański P., Szawkało J., Krawczyk K., Czarnocki Z. „Recent results in the stereoselective synthesis of cyclolignans” *International Conference on Chemical and Biological Sciences in Drug Discovery – 2019*”, Berhampur University, Odisha, India, 08-10.03.2019 – **plenary lecture**
3. Roszkowski P., Lisiecki K., Pomarański P., Szawkało J., Krawczyk K., Czarnocki Z., „Stereoselective synthesis of cyclolignans” *International Conference: Chemistry Beyond Nature*, Poznań, 21-22.06.2018 – **invited lecture**

4. Czarnocki Z., Lisiecki K., Krawczyk K. K., Roszkowski P., Maurin J. K., „Stereoselective Synthesis of (-)-Podophyllotoxin and Its Analogs”, *46th World Chemistry Congress*, São Paulo, Brazil, 9-14.07. 2017 – **keynote plenary lecture**
5. Roszkowski P., Błachut D., Krawczyk K., Szawkało J., Lisiecki K., Pomarański P., Maurin J.K., Czarnocki Z., „Recent progress in the stereoselective synthesis of heterocyclic compounds of pharmacological importance”, *International Conference on Recent Trends of Chemical and Biological Science in Medicine, Natural Product and Drug Discovery*, Berhampur University, Odisha, India, 03-05.03.2017 – **plenary lecture**
6. Krawczyk K, Lisiecki K, Roszkowski P., Maurin J.K, and Czarnocki Z. „Stereoselective synthesis of (-)-podophyllotoxin”, *6th EuCheMS Chemistry Congress*, Seville (Spain), 11-15.09.2016 – **invited lecture**
7. Stanisławska I.J., Granica S., Piwowarski J.P., Szawkało J., Wiązecki K., Czarnocki Z., Kiss A.K., “Effects of tannin metabolites on human cancer cells”, *2nd International Symposium on Plants in Pharmacy and Nutrition*, Wrocław, 15-17.09.2016 - **lecture**
8. Roszkowski P., Błachut D., Krawczyk K., Szawkało J., Lisiecki K., Pomarański P., Maurin J.K., Czarnocki Z., „Stereoselective Synthesis of Selected Important Nitrogen Heterocycles”, *International Conference on Stereochemistry*, Sao Paulo, Ibirapuera, Brazil, 18-19.08.2016, **plenary lecture**
9. Roszkowski P., Krawczyk K., Lisiecki K., Czarnocki Z., “Stereoselective Synthesis of (-)-Podophyllotoxin and Related Lignans”, *International Conference on Stereochemistry*, Sao Paulo, Ibirapuera, Brazil, 18-19.08.2016 - **lecture**
10. Kucharewicz K., Dudkowska M. Zawadzka A., Czarnocki Z., Sikora E., „Impairment of autophagy flux by tacrine-melatonin heterodimer as an alternative anticancer therapy”, *EMBO Scientists Forum*, Warszawa, Polska, 2-3.07.2015 - **lecture**
11. Roszkowski P., Błachut D., Krawczyk K., Szawkało J., Lisiecki K., Pomarański P., Maurin J.K., Czarnocki Z., „Stereoselective synthesis of heterocyclic compounds of pharmacological importance”, *International Conference on Innovative Applications of Chemistry in Pharmacology and Technology*, Berhampur University, Odisha, India, 06-08.02.2015, **plenary lecture**
12. Molin L., Seraglia R., Czarnocki Z., Maurin J.K., Płuciński F.A., Traldi P., On the primary ionization mechanism(s) in matrix assisted laser desorption ionization, *30th Informal Meeting on Mass Spectrometry*, 29.04-03.05.2012, Olomouc, Czech Republic - **lecture**
13. Czarnocki Z., *Stereoselective synthesis of selected heterocyclic compounds of pharmacological importance*, Multiple Faces of Chemistry: From Marie Curie to Nowadays, January 31st 2011 –February 1st 2011, Paris, **plenary lecture**

More information of the scientific profile of Zbigniew Czarnocki may be found here:

<https://www.arkat-usa.org/arkivoc-journal/browse-arkivoc/2021/2/>

(<https://doi.org/10.24820/ark.5550190.p001.482>)

TEACHING AND RELATED ACTIVITY

Till now, Zbigniew Czarnocki promoted 21 PhD theses (9 with honors), 69 MSc theses and many BSc theses. At the moment 2 dissertations are in progress.

He currently gives the following lectures: *Advanced Stereochemistry* (45h, for MSc students), *Organic Chemistry* (30h, for BSc students), *Construction and Transformations of Molecules* (45h, for MSc students), *Basic Organic Chemistry with Principles of Biochemistry* (30h, for MSc students of Faculty of Physics UW), *Natural Products Chemistry* (30h, open lecture for all UW students), *Asymmetric Transformations* (30h, for MSc students), *Contemporary Trends in Organic Synthetic Chemistry* (15h, for PhD students).

During the last 20 years over 20 foreign students did research internships under Erasmus and Erasmus Mundus programs in the group of Zbigniew Czarnocki. In 2017-2019 three highly talented post-doctoral fellows from India performed their training under his guidance.

Zbigniew Czarnocki was appointed to review over 50 PhD theses, both from Poland and from abroad, 21 DSc theses, and 16 full professor applications (including one from Berhampur University, India, one from North-West University, South Africa, 7 from King Abdulaziz University, Saudi Arabia).



Zbigniew Czarnocki