



# Mietek Jaroniec

PROFESSOR OF CHEMISTRY  
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY  
KENT STATE UNIVERSITY

---

## EDUCATION

1985 Professor title, Poland  
1979 Sc. D. in Phys. Chem., M. Curie-Sklodowska University, Lublin, Poland  
1976 Ph. D. in Chemistry, M. Curie-Sklodowska University, Poland  
1972 M. Sc. in Chemistry, M. Curie-Sklodowska University, Poland

## EXPERIENCE

1991 - present Professor at the Chemistry Department, Kent State University, Kent, Ohio 44242  
1972 - 1991 Department of Theoretical Chemistry, M. Curie-Sklodowska University, Lublin, Poland; University Professor (1989 - 1991), Professor (1985 - 1989), Associate Professor (1980 - 1985), Assistant Professor (1977 - 1980), Research Assistant (1972 - 1977)

## HONORS AND AWARDS

2010 KSU Arts & Science College Distinguished Teacher Award.  
2010 Doctor honoris causa from Military Technical University, Poland  
2009 Doctor honoris causa from N. Copernicus University, Poland  
2007 A. Waksmundzki Medal for achievements in separation science, Polish Chemical Society  
2007 KSU Advisor Excellence Award  
2005 Honorary Professor title of M. Curie-Sklodowska University, Poland  
2002 KSU Distinguished Scholar Award  
2002 Honorary Member of the Brazilian Association of Thermal Analysis and Calorimetry  
2001 Carbon Hall of Fame Award, Pittsburgh  
1997 Award of the Japan Society for the Promotion of Science

## PROFESSIONAL ACTIVITY

Journals Advisory and Editorial Boards

Current: Adsorption; Advanced Porous Materials; Adsorption Science & Technology, J. Porous Materials, Materials Science-Poland (Springer), J. Liquid Chromatography

Past: Chemistry Materials (ACS journal); Heterogeneous Chemistry Reviews, J. Colloid Interface Science, Thin Solid Films, Dekker Encyclopedia of Nanoscience and Nanotechnology

## BOOKS & SPECIAL ISSUES

- Co-organizer of 1st Symposium on "Photocatalytic materials for energy and environmental applications" (Wuhan Univ. of Technology, China, 2014) and co-editor with Prof. J.G. Yu of the special issue of "Applied Surface Science" containing selected articles from this meeting.

- Jianguo Yu, Mietek Jaroniec, Wei Xiao, Christos Trapalis (guest editors): Special issue on "TiO<sub>2</sub> Photocatalytic Materials" Int. J. Photoenergy (2014)
- Jianguo Yu, Mietek Jaroniec, Gongxuan Lu, Christos Trapalis, and Gang Liu (guest editors): Special issue on "TiO<sub>2</sub> Photocatalytic Materials 2013" Int. J. Photoenergy (2013)
- Jianguo Yu, Mietek Jaroniec, Gongxuan Lu (guest editors): Special issue on "TiO<sub>2</sub> Photocatalytic Materials" Int. J. Photoenergy (2012)
- Jianguo Yu, Mietek Jaroniec, Huogen Yu, and Wenhong Fan (guest editors): Special issue on "Synthesis, Characterization, Properties, and Applications of Nanosized Photocatalytic Materials." J. Nanomaterials (2012)
- Co-editor with D. Zhao and B.S. Hsiao of the special issue on "Advanced Materials in Water Treatments" of Journal of Materials Science, vol. 20, 2010.
- Co-editor with F. Schuth of the special issue of Chemistry Materials (Feb 2008) on Templated Materials.
- Co-organizer (vice chair and co-editor of proceedings) of the 2nd, 3rd, 4th, 5th, 6th and 7th International Symposium "Nanoporous Materials" in Canada (Banff, May, 2000; Ottawa, June, 2002; Niagara Falls, June, 2005, Vancouver, May, 2008, Banff, Aug 2011, and Niagara Falls, June 2014); the corresponding proceedings published by Elsevier (volumes 129, 141 and 156 of the series "Studies of Surface Science and Catalysis"), and by World Scientific Publishers (the proceedings of the 5th meeting).
- "Physical Adsorption on Heterogeneous Solids", Elsevier, Amsterdam, 1988

#### RESEARCH INTERESTS

Research interests and activities of Dr. Jaroniec revolve primarily around interdisciplinary topics of interfacial chemistry, and chemistry of materials. His research is mainly focused on physical adsorption at the gas/solid and liquid/solid interfaces; synthesis, modification, and characterization of adsorbents, chromatographic packings, catalysts, and most recently, ordered nanoporous materials. During his employment at Kent State University, he has established a vigorous research program in the area of advanced nanomaterials. His most current research includes synthesis, modification, characterization, and application of novel ordered nanoporous materials, such as surfactant- and polymer-templated ordered mesoporous silicas, organosilicas, and carbons. He has established successful collaborations in this area with a number of academic and industrial researchers in the United States, as well as with scientists from countries such as Australia, Brazil, Canada, Japan, Korea, Poland and the Ukraine.

#### SUMMARY: PUBLICATIONS, PRESENTATIONS AND INVITED LECTURES

- over 1000 scientific articles and communications published in the international journals
- over 500 lectures and posters presented at the international conferences and symposia
- over 120 invited lectures presented at different research institutions in Australia, Brazil, Canada, China, France, Germany, Hungary, Italy, Japan, Korea, Mexico, Netherlands, Poland, Russia, Spain, Ukraine, UK, and USA.
- Close to 25,000 citations (without self-citations) and H-index = 80, listed in top 100 scientists worldwide in materials science, and highly cited in 2001.