

Krzysztof Woźniak, F CPSE

Born: 24/03/1961, at Lubartow in Eastern Poland
Nationality: Polish
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EDUCATION PROFILE AND SCIENTIFIC DEGREES AND TITLES

1981-1982 **Theoretical Mathematics** at Math Department of the University of Warsaw
1982-1986 **(MSc) Chemistry** at Chemistry Department of the University of Warsaw
1992 **PhD** "On Influence of H-Bonding on Properties of Molecules" - Promoter: Prof. Dr. hab. Tadeusz M. Krygowski, Chemistry Department, University of Warsaw, Poland
1998 **Habilitation** "On Weak Interactions in Organic Solids" – awarded the Prime Minister Prize for the Best Habilitation, Chemistry Department, University of Warsaw, Poland
Since 2002 **Full professor**

EMPLOYMENT - PRESENT AND PAST

1986-1987 **Assistant Lecturer**, Crystallochemistry Lab., Department of Chemistry, University of Warsaw
1987-1998 **Lecturer**
1998 **Assistant professor**
Since 2004 **Professor** (what we call in Polish extraordinary)
Since 2010 So-called **ordinary professor**
Currently Head of the following 4 units:
My **research group** (10 postdocs, 6 PhD students, 10 undergraduate students)
Crystallochemistry Laboratory (since Jan. 2008), Department of Chemistry of the University of Warsaw
Structural Research Laboratory (since Jan. 2007), Department of Chemistry of the University of Warsaw
Laboratory for Structural and Biochemical Research (since June 2016), Centre of Biological and Chemical Research of the University of Warsaw
2017-2018 **co-chairman** and 2018-2021 – **the chairman of the European Crystallographic Association Special Interest Group on Charge Spin and Momentum Densities (SIG2) presently named Quantum Crystallography.**

POSTDOCTORAL WORK AND OTHER FOREIGN EXPERIENCES

1994-1995 **Post-doc** Royal Society Fellowship (Prof. Bill Jones and, separately, Prof. Jack Klinowski's groups both at Chemistry Department, Cambridge University, UK)
1990 to 2005 **ca. 10 study visits** as research associates at the Department of Chemistry, Cambridge University and several visits to University of Wales (Dr. Sian Howard, collaboration) and Glasgow University (Dr. Paul Mallinson, collaboration) + singular visits to University of Wisconsin at Milwaukee (Prof. T.L. Barr), Central Florida at Orlando (Prof. S. Seal), University of Texas at Houston (Prof. W. Priebe), research institutions at Tsukuba, Tokyo, Sendai and several universities in Denmark and India.
Ca. 20 study visits to ISIS Chilton, RAL Daresbury, Sacley, Grenoble, Diamond, X-ray, XANES, EXAFS and ESCA data
2007 **Visiting professor** - H. Poincare University at Nancy, France (Prof. C. Lecomte's group)
2014 **Sabbatical stay:** Chemistry Department, University of Cambridge, UK (Prof. W. Jones' group)

Conferences **I also attended ca. - at least - 100 international conferences all over the World.**

RESEARCH OUTCOME, PRIZES AND SCIENTIFIC INTERESTS

Research outcome ≥350 refereed publications in learned scientific journals, more than 5560 citations, H-index =36 (Google Scholar 08/2018)
>70 invited lectures, promoter of 16 PhDs completed and another 5 currently being done and >30 MSc thesis

Scientific interests Crystallography beyond Independent Atom Model, Hirshfeld Atom Refinement, experimental studies of charge densities in crystals of interesting organic, inorganic compounds and minerals, polymorphism and interactions in pharmaceutical substances, macromolecular studies of proteins and their interactions, , artificial molecular machines, supramolecular compounds, catalysts, model systems with interesting weak and strong interactions (proton sponges, Schiff bases, etc), biological compounds. I am also very much interested in methodological aspects of X-ray scattering and neutron diffraction.

RESEARCH PROJECTS

Grants **> 30 grants mostly from domestic sources**

10 MOST IMPORTANT PUBLICATIONS

1. M. Wońska, S. Grabowsky, P. M. Dominiak, K. Woźniak, D. Jayatilaka. *Hydrogen atoms can be located accurately and precisely by routine X-ray crystallography* **Science Advances**, **2** No. **5** (2016) e1600192, DOI: **10.1126/sciadv.1600192**
2. W. Fabiola Sanjuan-Szklarz, A. A. Hoser, M. Gutmann, A. Ø. Madsen, K. Woźniak *Yes, one can get better quality structures from routine data collections* **IUCr Journal**, **3** (2016) 61-70
3. A. A. Hoser, P. M. Dominiak, K. Woźniak *Towards the best model for hydrogen atoms in experimental charge density refinement* **Acta Crystallographica**, **A65** (2009) pp. **300-311** (Journal Highlight)
4. M. Malińska, K. N. Jarzemska, A. M. Goral, A. Kutner, P. M. Dominiak, K. Woźniak, *Interplay between sunitinib malate crystal packing, charge density distribution, and protein-ligand interactions in sunitinib-containing biological systems* **Acta Crystallographica**, **D70** (2014) **1257-1270**
5. P. M. Dominiak, A. Makal, P. R. Mallinson, K. Trzcńska, J. Eilmes, E. Grech, M. Chruszcz, W. Minor, K. Woźniak, *Continua of Interactions Between Pairs of Atoms in Molecular Crystals* **Chem.- a Eur. J.**, **12**(7), (2006) **1941-1949**.
6. B. Korybut-Daszkiewicz, A. Więckowska, R. Bilewicz, S. Domagała, K. Woźniak, *Electrochemically Controlled Intramolecular Pendulum* **Angewandte Chem., . Int. Ed.** **43**, (2004) **1668-1672**
7. P. R. Mallinson, G. T. Smith, C.C. Wilson, E. Grech, K. Wozniak *From Weak Interactions to Covalent Bonds: a Continuum in Organic Molecular Crystals* **J. Am. Chem. Soc.**, **125** (2003) **4259-4270**
8. **B. Korybut-Daszkiewicz, A. Więckowska, R. Bilewicz, S. Domagała, K. Woźniak**, *Novel Catenane Structures Introducing Communication Between Transition Metal Centers via Interactions* **J. Am. Chem. Soc.**, **123**, (2001) **9356-9366**
9. P. Dominiak, E. Grech, G. Barr, S. Teat, P.R. Mallinson, K. Woźniak *Neutral and Ionic Hydrogen Bonding in Schiff Bases* **Chem. – A Eur. J.**, **9**/4 (2003) **963-970**.
10. K. Woźniak, P. Mallinson, C. C. Wilson, E. Hoverstreyd, E. Grech, *Charge Density Studies of Attractive N...O Interactions*, **J. Phys. Chem.**, **106** (2002) **6897-6903**

10 THE MOST IMPORTANT SCIENTIFIC CONFERENCES ATTENDED/ORGANISED

1. **21st Solvay Conference in Chemistry**, 2007, Invited participant. The Conference Director was Prof. J. P. Sauvage and there among the speakers were: Sir. J. F. Stoddart and Prof. B. Feringa –all of them, the 2016 Chemistry Nobel Prize Laureates
2. 2 types of **Gordon Conferences on Electron Distribution & Chemical Bonding** as well as **on Crystal Engineering**, usually delivering oral communications and posters
3. **Long series of European Crystallographic Association** congresses (from ECM19 to ECM31)- regular attendance with usually oral communications, displaying posters and chairing some sessions, e.g. **Programme Committee** (Krakow, 2001), chairing sessions at congresses ECM26, ECM28 member of the Scientific Committee of ECM31 at Oviedo and 25th IUCR Congress at Prague (2020). The chairman of the ECM31 Satellite Meeting on Progress in Instrumentation for X-Ray Diffraction and Cry-EM (Oviedo, 22/08/2018)
4. **Sagamore Conferences (from XV to XVIII) on Charge, Spin and Momentum Density** (International Advisory Com in 2018)
5. **25th Annual Meeting of the German Crystallographic Society**, 03.2017 Karlsruhe, Germany, invited plenary lecture: “A Century after the Braggs – On Precision and Accuracy of Single Crystal X-Ray Results”
6. Head of the **Organizing Committee** (mainly members from my group) of the **7th European Charge Density Meeting**, CENT Warszawa, 07.2016 – and regular attendance almost all conferences in this series (scientific committee, presenting a lecture or communication or chairing sessions)
7. Member of the Organizing Committee of Interdisciplinary International Conferences **MULTI-POLE APPROACH TO STRUCTURAL BIOLOGY**, WARSAW, POLAND - presenting invited lectures at these conferences
8. **United Nations Year of Crystallography**, 2014, Head of the Organizing Committee, International Symposium: „On the PAST, PRESENT and FUTURE of Crystallographic Research in Poland”
9. **18-th International Conference on Physical Organic Chemistry, ICPOC18**, Warszawa, 08.2006 vice-chair of Organizing Committee (and attendance of several other conferences in this series) and Organizing Committee of the 4-th European Crystallographic School in Warsaw, Poland, 07.2017 and chairman of session at the IUCR Congress at Hyderabad 2017
10. **Member of the Organising Committee of four “Smoleńsk Conferences”** focused on studies of accident of the Polish TU-154 aircraft close to the Smolensk Airport (Russia), Warsaw on 11.2015, 10.2014, 10.2013 and on 10.2012

AWARDS AND PRIZES

2007 - Invitation to participate in the 21st Solvay Conference in Chemistry, Brussels, Belgium

I find this to be my most prestigious scientific award so far.

Since 2015 - Fellow of the ChemPubSoc Europe (F CPSE).

2018 – Prof. W. Świątosławski Research Prize awarded by the Warsaw Branch of the Polish Chemical Society

2018 – Prof. W. Świątosławski Research Prize awarded by the Department of Chemistry, University of Warsaw

2009 – Publication: A. Hoser, P. M. Dominiak, K. Woźniak, Towards the best model for H atoms in experimental charge-density refinement, *Acta Cryst.*, A65 (2009) 300-311 selected as a Highlight.

2009 – Publication: Szadkowska A., Makal A., Woźniak K., Kadyrov R., Grela K., Ruthenium Olefin Metathesis Initiators Bearing Chelating Sulfoxide Ligands, *Organometallics*, 28 (2009) 2693–2700 gained the status of “The Most Read Paper”

2008 - Foundation for Polish Science(FNP) MASTER Professorship

Poster prizes:

M. Stachowicz, B. Bagiński, R. Macdonald, K. Woźniak,
29 European Crystallographic Meeting (ECM29), 23-28.08.2015, Rovnij, Chorwacja
Temperature and pressure induced phase transitions in chevkinite group. A joint XRD, XPS and EPMA structural studies - the Jacek Grochowski Memorial ECA SIG6 poster prize

M. Stachowicz, B. Baginski, R. Macdonald, K. Wozniak,
28th European Crystallographic Meeting, University of Warwick, UK; 25–29 Aug. 2013
Niobium rich chevkinite-(Ce) – structural investigations - poster prize in the field of physical crystallography

K. Durka, R. Kamiński, S. Luliński, J. Serwatowski, K. Woźniak,
EuroBoron5, 29.08. - 02.09.2010, Herriot-Watt University, Edinburgh, UK
Towards the nature of B...N interactions -poster prize

+4 poster prizes at domestic conferences

SCIENTIFIC ORGANISATIONS

Since 2015 - Fellow of the ChemPubSoc Europe (F CPSE).

I was elected member of the National Committee of the Polish Crystallographic Association 2013-2016

Member of the Cambridge Philosophical Society
Member of the Polish Chemical Society
Member of European Crystallographic Association

1990 – 2008 and 2013 – 2016 - member of the Scientific Council of the Department of Chemistry of the University of Warsaw

2007-2010 – member of the Scientific Council of the Institute Organic Chemistry, Warsaw, Poland.

2017-2020 - member and chairman of the Scientific Council of Pharmaceutical Institute, Warsaw, Poland

2017-2018 - co-chairman and 2018-2021 – the chairman of the European Crystallographic Association Special Interest Group on Charge Spin and Momentum Densities (SIG2) presently named Quantum Crystallography.

TALKS AND ORAL PRESENTATIONS

presented by me within last 10 years

1. K. Woźniak

Twenty-Fourth Congress and General Assembly of the International Union of Crystallography, 21–28 Aug. 2017, Hyderabad International Convention Centre, Hyderabad, India
Precision and Accuracy of Single Crystal X-ray Results
Oral communication

2. K. Woźniak

25th Annual Meeting of the German Crystallographic Society, Karlsruhe (Germany), 27 – 30 March 2017
X-Ray Structural Analysis Century after the Braggs - On Precision and Accuracy of Structural Information
Invited plenary lecture

3. K. Wozniak

Zentiva Pharmaceutical Company, 10-11 May 2017, Kabelovny 130, Prague, Czech Republic
What modern crystallography can add to pharmaceutical research?
Invited lecture

4. **K. Wozniak**
4th European Crystallography School, 2-7 July 2017, Staszic Palace, Warsaw, Poland
On Precision and Accuracy of Single Crystal X-ray Results
Invited lecture
5. **K. Woźniak**
6th EuCheMS, Seville, Spain, 11-15/09/2016
A century after the Braggs - Crystallography beyond IAM
Oral communication
6. **K. Woźniak**
Symposjum BCA, Sofia, Bulgaria, 05-07 October 2016
A Century After the Braggs - Crystallography Beyond the Independent Atom Model
Invited plenary lecture
7. F. Sanjuan-Szkларz, M. Wońska, S. Domagała, P. Dominiak, S. Grabowsky, D. Jayatilaka, **K. Woźniak**
European Charge Density Meeting 7, CENT Warsaw, Poland, 26/06-1/07/ 2016
A century after the Braggs: on precision and accuracy of X-ray results
Conference lecture
8. F. Sanjuan-Szkларz, M. Wońska, S. Domagała, P. Dominiak, **K. Woźniak**
Multi-Pole Approach to Structural Science Conference, Staszic Palace, Warsaw, Poland, 10-13 /05/ 2015
Crystallography beyond Independent Atom Model
Invited conference lecture
9. **K. Wozniak**
COST Action no. CM1402 Meeting, Action Title: From molecules to crystals - how do organic molecules form crystals (Crystallize), Marseille (France), 22 – 25/07/2015
On Precision and Accuracy of Structural Information - Beyond Independent Atom Model
Invited conference lecture
10. **K. Woźniak**, W. F. Sanjuan Szkларz, Aleksandra Pazio, Sławomir Domagała
Agilent Technologies X-ray User Group Meeting; 26-27/02/2014, Oxford, UK
Experimental charge densities - our newest examples of applications
Invited conference lecture
11. **K. Wozniak**, M. Stachowicz
International Workshop on Accessory Minerals, 24-26/09/2014r.,
Geology Department, University of Warsaw
Structural and electron density analyses of minerals - beyond independent atom approximation
Invited conference lecture
12. **K. Woźniak**
2014 European Materials Research Society (E-MRS) Fall Meeting, Warsaw Technical University, Warsaw, Poland; 18 Sep. 2014
X-Ray Structural Analysis Century after the Braggs - Success or Failure?
Invited conference lecture
13. **K. Woźniak**
Chemistry Department, Cambridge University, UK; 6 Oct., 2014
X-Ray Structural Analysis Century after von Laue and the Braggs - On the Quality of Single Crystal X-Ray Results.
Invited lecture
14. **K. Woźniak**
Institut für Anorganische Chemie, Universität Göttingen, Germany, 8 July 2014r.
A century after the discoveries of Max von Laue and the Braggs – On the Quality of Single Crystal X-Ray Results
Invited lecture
15. **K. Woźniak**, W. F. Sanjuan Szkларz, M. Malińska, M. Wońska, P. Dominiak
IX Multidisciplinary Drug Conference, Szydłow, Poland, 12 May 2014
What modern crystallography can add to pharmaceutical research?
Invited lecture
16. S. Domagała, K. Kość, S. W. Robinson, .D. A. Haynes, **K. Wozniak**
ICCOSS XXI - the 21st International Conference on the Chemistry of the Organic Solid State, St Catherine's College, Oxford, UK, 3 – 9/08/ 2013,

17. **K. Wozniak**,
Agilent Users' Meeting 25-28.02.2012, Oxford, UK,
On the quality of single-crystal X-ray results
Invited conference lecture

18. **K. Wozniak**
International Conference on the Chemistry of the Organic Solid State (ICCOSS XX), Indian Institute of Science, Bangalore, India. 26-30/06/2011r.,
On quantitative charge density studies of interactions in molecular crystals
Invited conference lecture

19. **K. Wozniak**
International Conference MULTI-POLE APPROACH TO STRUCTURAL BIOLOGY, 16-19/11/2011, INTERNATIONAL INSTITUTE OF MOLECULAR AND CELL BIOLOGY, WARSZAWA, POLSKA,
Quantitative charge density studies of interactions in molecular crystals
Invited conference lecture

20. A. Hoser, P. M. Dominiak, **K. Wozniak**
2011 Meeting of the American Crystallographic Association, New Orleans, Louisiana, USA 28 May – 2 June 2011r.
On quantitative charge density studies of interactions in molecular crystals
Invited conference lecture in the session created to honour Prof. Philip Coppens

21. **R. Kamiński**, K. Durka, M. Dąbrowki, J. Serwatowski, K. Woźniak
2011 Meeting of the American Crystallographic Association, New Orleans, Louisiana, USA 28 May – 2 June 2011r.
Charge density studies of organic-inorganic $[ArBF_3]^- X^+$ compounds – state-of-the-art techniques in cutting-edge structural research
Invited conference lecture

22. **K. Wozniak**
Charlottesville, Department of Chemistry, University of Virginia, USA, 7/06/2011r.
Quantitative charge density studies of interactions in molecular crystals
Invited lecture

23. **K. Wozniak**
Gordon Conference on Crystal Engineering, Waterville Valley Resort, USA, 06/06/2010 - 11/06/2010r.,
Quantitative experimental structural and electron density studies of interactions in molecular crystals
Oral communication

24. A. Hoser, P. M. Dominiak, **K. Wozniak**
26th European Crystallographic Meeting, Darmstadt, Germany, 29.08-2.09. 2010r.
On quantitative charge density studies of interactions in molecular crystals
Oral communication

25. **K. Wozniak**, P. M. Dominiak,
92nd Canadian Chemistry Conference of Canadian Chemical Society, Hamilton, Canada, 29/05/ - 3/06/2009
Continua of Interactions Between Pairs of Atoms in Molecular Crystals
Invited lecture

26. **K. Wozniak**,
II Bruker User Meeting, Poznań, Poland, 27-28.10.2009
Experimental charge density studies and their applications,
Invited lecture

27. **K. Woźniak**
Chemistry Department, Mac Master University w Guelph, Canada, 6.06.2009, *Continua of Interactions Between Pairs of Atoms in Molecular Crystals*
Invited lecture

28. F. Sanjuan-Szklarz, M. Wońska, S. Domagała, P. Dominiak, **K. Woźniak**
29th European Crystallographic Meeting, Rovinj (Chorwacja), 23-28/08/2015r
On precision and accuracy of X-ray data – How to get better quality results from X-ray diffraction experiments
Oral communication

29. **Woźniak K.**, Hoser A. A., Jarzemska K. N., Dobrzycki Ł., M. J. Gutmann, 17th Sagamore Conference on Kitayuzawa in Hokkai-do, Japan; 15 – 20 lipca 2012r. *Differences in Charge Density Distributions of Two Polymorphs of Benzidine Dihydrochloride*” Oral communication
- 30 Makal A., Kalinowski J., Plażuk D., Zakrzewski J., Woźniak K. XVI Sagamore conference on Charge, Spin and Momentum Density in Santa Fe, New Mexico, USA, 2-7.08.2009r., *Experimental Charge Density Studies for Selected Ferrocene Derivatives* Oral communication

THE MOST IMPORTANT RESEARCH PROJECTS
within the last 10 years

Grants; In general, > 30 grants so far (mostly from domestic sources). Realisation place for all grants listed below: Department of Chemistry or University of Warsaw Biological and Chemical Research Centre , University of Warsaw, Poland.

The most important grants within the last 10 years

- 2006-2009** PI in MNiSW personal grant Nr 1T09A 116 30: Application of experimental distribution of electron density to learn the nature of interatomic interactions in the crystalline state.
- 2007-2009** PI in MNiSW N N204 0302 33 grant: Structure and properties of new Hoveyda type catalysts, PhD student grant.
- 2008-2011** PI in the MASTER Professorship from the Foundation for Polish Science (FNP). "Structural and experimental charge density studies of important new organic and inorganic materials"
- 2010-2014** PI: KBN/NCN personal grant N N204 135138, Experimental charge densities as a source of information on physico-chemical properties of inorganic-organic hybrid compounds.
- 2010-2011** PI, PhD student grant N N204 129138: Application of aspherical atom databases in estimation of electrostatic properties of molecules in crystals
- 2012-2015** PI, NCN personal grant decision UMO-2011/03/B/ST10/05491: Experimental charged density and structural investigations of minerals – feasibility study
- 2013-2018** PI in NCN MAESTRO grant: “Structure and charge distribution in crystals as a source of information on interactions of pharmaceutical substances”
- 2018-2021** PI in FNP Core Facility grant: “Core facility for crystallographic and biophysical research to support the development of medicinal products “.
- 2018-2023** Investigator in NCBiR grant (jointly with the WPD pharma company):”The development of a new drug for the treatment of glioblastoma multiforme”

MSCA Individual Fellow (MSCA – IF) supervisor of the project: Structure-function studies of the human FASTK family of mitochondrial proteins with putative novel RNA binding domains – the helical FAST motifs and the small RAP domain — FAST-RAP (655075) - PI Dr Maria Górna

SCIENTIFIC EXPERIENCE WITHIN THE PAST 10 YEARS

Visiting professor: France, at the CRM Lab in J. Bariol Inst., H. Poincare University at Nancy, France (Prof. C. Lecomte’s group). 2007 – 1 month.

Sabbatical stay: Chemistry Department, University of Cambridge, UK (Prof. W. Jones’ group), 2014 – 6 months

I gained most of my scientific experience in the 90-ties of the previous century during numerous visits to Cambridge where I stayed in groups of prof. William Jones and prof. Jack Klinowski. Additionally, I was collaborated for years with: dr Sian Howard from Wales University at Cardiff (UK), dr Paul Mallinson from Glasgow University (UK), dr Chick Wilson from ISIS, Chilton and later from Glasgow(UK), prof. T. Barr from University Wisconsin - Milwaukee (USA), dr S. Seal from University of the Central Florida (USA) including exchange of students within NSF programme, prof. PE Hansen from Roskilde (Denmark), prof. G. P. Schimenz from Kiel (Germany), and occasionally with many other western scientists.

By close collaboration I understand mutual visits and joint publications. Each of the above mentioned people visited my laboratory in Warsaw at least once (many of them a few times) with exception of Dr. C. Wilson

whom I visited a few times at ISIS and who did not visit me in Warsaw. Occasionally I also collaborated with several other people who are listed among the co-authors of my publications. However, for last ca. 15 years, I have concentrated on my own group in Warsaw.

Additionally, I had several short visits at tens of scientific institutions all over the world (UK, USA, India, China, Germany, France, Japan, Denmark, Czech Republic). We had >20 visits to different large scale facilities devoted to neutron, X-ray and ESCA measurements (ISIS Chilton, RAL, Grenoble, Sacle, Brookhaven, Argonne).

We also gain scientific experience by bringing foreign scientists to our lab. We had quite a number of foreign visitors in our group in Warsaw who shared their experience and knowledge with us. This includes: Anders Madsen (Copenhagen, Denmark), Dietmar Stalke (Getynga Niemcy), B. Civaleri Torino (Italy) – visiting prof., 5 weeks in Warsaw; P. Mallinson (Glasgow, UK – many times); L. Farrugia (Glasgow, UK), W. Priebe (Houston, USA now long and fruitful collaboration), M. Duszek (Praque) – visiting prof., 5 week-long stay in Warsaw; M. Gutmann (ISIS Chilton, UK); L. Dobrzyńska (Louvain, Belgium) – >1 month and 2months on the second occasion, I have convinced her to return back to Poland; C. Lecomte and Ch. Jelsch (Nancy, France); B. Dittrich (Gottingen, Niemcy); prof. W. Minor (Charlottesville, USA – know affiliated professor at our Department); prof. Ph. Coppens (several times, Buffalo, USA); P. Munshi (Bangalore, Indie); R. Bader (Hamilton, Canada); R. Sutkey (Orlando, USA) - 2 months; T. Spalding and A. Velez (Orlando, USA) - 2 months; dr A. Houston (NSF, USA); P. Czubarow (Saint Gobain, USA), P-E Hansen (Roskilde, Dania); J. Klinowski (many times), W. Jones, M. Archangelskikh (1 month and 1 week) – they all from Cambridge, UK, J. Henn (visiting professor for ca. 2 months, Bayrouth, Germany), G. Desiraju (Bangalore, India when he was the President of IUCR), V. Pedireddi (India), J. Overgaard (Denmark), D. Jayatilaka (Australia), A. Korliukov (Moskva, Russia) + a few more. Some of the above mentioned researchers came to Warsaw more than one time. We usually have 3-5 visits of foreign scientists per year.

Every year we have also had quite a few domestic visits from different institutions within Poland.

10 MOST IMPORTANT PUBLICATIONS WITHIN LAST 10 YEARS

1. M. Wońska, S. Grabowsky, P. M. Dominiak, K. Woźniak, D. Jayatilaka. *Hydrogen atoms can be located accurately and precisely by routine X-ray crystallography* **Science Advances**, **2 No. 5 (2016) e1600192**, DOI: **10.1126/sciadv.1600192**
2. W. Fabiola Sanjuan-Szklarz, A. A. Hoser, M. Gutmann, A. Ø. Madsen, K. Woźniak *Yes, one can get better quality structures from routine data collections* **IUCr Journal**, **3 (2016) 61-70**
3. A. A. Hoser, P. M. Dominiak, K. Woźniak *Towards the best model for hydrogen atoms in experimental charge density refinement* **Acta Crystallographica**, **A65 (2009) pp. 300-311 (Journal Highlight)**
4. M. Malińska, K. N. Jarzemska, A. M. Goral, A. Kutner, P. M. Dominiak, K. Woźniak, *Interplay between sunitinib malate crystal packing, charge density distribution, and protein-ligand interactions in sunitinib-containing biological systems* **Acta Crystallographica**, **D70 (2014) 1257 -1270**
5. R. Kamiński, S. Domagała, K. N. Jarzemska, A. A. Hoser, W. F. Sanjuan-Szklarz, M. J. Gutmann, A. Makal, M. Malińska, J. M. Bąk, K. Woźniak, *Statistical analysis of multipole-model-derived structural parameters and multipole-model-derived charge-density properties from high-resolution X-ray diffraction experiments*, **Acta Crystallographica**, **A70 (2014) 72-91**
6. S. Domagała, K. Kość, S. W. Robinson, D. A. Haynes, K. Woźniak, *Dithiadiazolyl Radicals - Structures and Charge Densities of their Crystals and Co-Crystal*, **Crystal Growth & Design**, **14 (9) (2014) pp. 4834–4848**
7. P. M. Malińska, I. Fokt, W. Priebe, K. Woźniak, *Bromine atom interactions in biologically active acrylamide derivatives*, **Crystal Growth and Design**, **15 (6) (2015) 2632–2642**.
8. A. A. Hoser, Ł. Dobrzycki, M. J. Guttman, K. Woźniak, *Experimental and Theoretical Charge Density Studies of Similarities and Differences of two Polymorphs of Hydrated 1,8-Bis(dimethylamino)-naphthalene Hydrochloride (DMANH_x2Cl·xH₂O₂)*, **Cryst. Growth and Design**, **10(12) (2010) 5092-5104**
9. M. Wońska, D. Jayatilaka, B. Dittrich, R. Flaig, P. Luger, K. Wozniak, P. M. Dominiak, S. Grabowsky, *Validation of X-ray wavefunction refinement*, **ChemPhysChem**, **18 (23) (2017) 3334-3351**. DOI: **10.1002/cphc.201700810** + Front Cover: Validation of X-ray Wavefunction Refinement (ChemPhysChem 23/2017) Publication cover image: Volume18, Issue23, December 6, 2017, Pages 3286-3286 <https://doi.org/10.1002/cphc.201701258>
10. M. Stachowicz, M. Malińska, M. Welch, J. Parafiniuk, K. Woźniak, *Experimental observation of charge-shift bond in fluorite CaF₂*, **Acta Crystallographica**. **B73 (2017) 643-653**; <https://doi.org/10.1107/S2052520617008617>