

Discipline: Chemical sciences

Research in the field of chemical sciences covers all major fields of experimental and theoretical, organic, inorganic and physical chemistry. The scientific activities of the staff representing this discipline have been and are closely linked to teaching activities through Bachelor's and Master's theses and Doctoral dissertations, which constitute an important part of the research. The areas of chemistry in which the results obtained by research teams are significant, both domestically and internationally, include: Metallurgical chemistry and homogeneous catalysis, including synthesis and reactivity of organic derivatives containing silicon atoms and other heteroatoms; biocrystallography and X-ray studies of the structure of condensed phases; supramolecular chemistry, in particular chemistry and physicochemistry of synthetic molecular receptors; synthesis of chiral organic compounds; synthesis and investigation of fluoroorganic compounds with potential use in medicine, agriculture and obtaining new materials; synthesis, description, modification and investigation of catalytic properties of zeolites and other porous materials; bioorganic chemistry and photochemistry, including the study of mechanisms induced by light of chemical processes using ultrafast laser spectroscopy; analytical chemistry with particular emphasis on chemical methods of environmental pollution analysis and monitoring; coordination chemistry and lanthanides spectroscopic studies; theoretical chemistry.

A significant part of the research topics is carried out in cooperation with domestic and foreign centres, mainly in Europe, USA, Canada and Japan. The cooperation is carried out both within formal agreements and agreements signed between Adam Mickiewicz University and other universities, as well as informal individual contacts between employees of the Faculty of Chemistry and collaborating researchers from various national and international centres.

1) Admission

- a. Submission of documents: 20 August - 31 August 2019, Faculty of Chemistry, Adam Mickiewicz University, Collegium Chemicum, ul. Uniwersytetu Poznańskiego 8, Dean's Office - Mrs. Agnieszka Kurzajak
- b. Admission procedure: 10 September 2019
- c. publication of a short list: 13 September 2019
- d. publication of the list of candidates admitted to the Doctoral School: 16 September 2019.

2) Admission fee

The admission fee for the Doctoral School is PLN 200 or the equivalent in EURO.

The fee should be paid to the bank account:

IBAN: PL77 1090 1362 0000 0000 3601 7903

SWIFT: WBKPPLPLPP

with a not on the transfer slip: admission fee to the Doctoral School - name and surname

3) Required documents

1. Doctoral candidates shall submit:

- 1) cover letter with an indication of the scientific discipline in which they would like to obtain the academic degree of *doktor*,
- 2) personal questionnaire whose specimen shall be prepared and made available by the Doctoral School,
- 3) CV with documented scientific and other achievements as indicated in the list of documents,
- 4) preliminary proposal of the research project (up to 8 pages of the standard typescript),
- 5) copy of the diploma of graduation from a higher education institution confirming that the second cycle degree has been obtained, and in the case of graduates completing their education in the academic year 2018/2019 a certificate of graduation confirming completion of second cycle education in the academic year 2018/2019. Beneficiaries of the Diamond Grant Program shall also submit the Minister's decision on the allocation of funds for the implementation of the research project,
- 6) the Diploma Supplement (in the case of two-cycle programs - from first-cycle and second-cycle programs),
- 7) 35 mm x 45 mm color photograph,
- 8) 20 x 25 mm color photograph, with a resolution of at least 300 dpi (on an electronic data medium),
- 9) consent to the processing of personal data for the purposes of the admission procedure,
- 10) confirmation of payment of the admission fee.

4) Evaluation criteria

The Admission Committee and selection teams shall make decisions on the admission of doctoral candidates on the basis of:

- 1) the grade awarded for the completion of the second cycle master's degree program or one-cycle master's degree program and featured in the diploma – maximum 10 points,
- 2) evaluation of the candidate's current research work and scientific achievements on the basis of the CV and cover letter; doctoral candidates may indicate a maximum of three documented scientific achievements for evaluation – maximum 15 points,
- 3) other documented activities of the candidate supported with a maximum of three achievements indicated by the candidate – maximum 5 points,
- 4) the result of the interview; the interview shall cover:
 - a) the candidate's knowledge and competence relevant to the intended research and to the discipline covered,
 - b) the elements of the research methodology relevant to the discipline in question.

Maximum 50 points may be awarded for the interview; the maximum duration of the interview may be 30 minutes.

- 5) the preliminary proposal for the research project - maximum 20 points; the following will be evaluated in particular:
 - a) the ability to formulate the research aim and to present the research problem;
 - b) the novelty and originality of the research idea and the ability to propose a solution;
 - c) the methodology appropriate to the discipline in question;
 - d) knowledge of the state of research, including basic bibliography, relevant to the achievement of the stated research aims.

The maximum number of points which candidates may be awarded is 100. Only candidates who have been short listed and who have been awarded at least 60 points shall be admitted; the number of candidates admitted for the doctoral program of a given scientific discipline is limited and decided by the Admission Committee.

According to Principles of admission to the Doctoral School of Adam Mickiewicz University, Poznań in the academic year 2019/2020

§ 7

2. Persons who have obtained the necessary education outside the territory of the Republic of Poland shall submit additionally:

1) scan of the document confirming their education (a copy) in the original language and a certified translation into, respectively, English or Polish, together with the supplement,

2) scan/copy of the passport.

If you obtained your master diploma outside Poland please look here:

<https://nawa.gov.pl/en/recognition/recognition-for-academic-purposes/applying-for-admission-to-doctoral-studies>

<https://nawa.gov.pl/en/recognition/how-to-obtain-a-recognition-statement>

LIST OF RESEARCH GRANTS:

1. **Projekt-NCN SONATA BIS UMO-2018/30/E/ST5/00045** - Kierownik - prof. UAM dr hab. Grzegorz Hreczycho- -1 osoba 3500 PLN brutto miesięcznie na okres trzech lat
2. **Projekt-NCN OPUS 14 UMO/2017/27/B/ST5/00149** - Kierownik- prof. dr hab. Bogdan Marciniak-1 osoba 2400 PLN brutto na 20 miesięcy (od 1.10.2019-30.05.2021)
3. **Projekt-NCN 2018/31/B/NZ8/00280** – Kierownik - dr hab. Radosław Pankiewicz 1 osoba- 3200 PLN brutto przez 33 miesiące
4. **Projekt-UMO-2016/21/B/ST4/02064** - Kierownik - prof. dr hab. Czesław Rudowicz 1 osoba- 2300 PLN brutto na okres 21 miesięcy
5. **Projekt-UMO-2018/29/B/ST8/00913** – Kierownik - prof. dr hab. Hieronim Maciejewski 1 osoba-2500 PLN brutto na 24 miesiące