

AISULU ZHANBOSSINOVA

(Maiden name: Aisulu Bolatbayeva)

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DOB: 15 June 1988

Contribute to science education and research with a clear objective and philosophy: develop students' conceptual understanding through inquiry-based learning and activating their curiosity, taking into account each student's ability to absorb information differently.

Experience

Nazarbayev University Foundation Year Program

(Nur-Sultan, Kazakhstan)

Chemistry Teaching Fellow

August 2015- June 2021

- Lead the development of a new curriculum and redesign of the course for non-major students;
- Created an assessment that contextualizes the core knowledge to current social issues and technological applications;
- Prepared lecture, seminar, laboratory and examination materials aligned with the learning outcomes;
- Participated in Open House days, university entrance exams, community and university service activities;
- Kept the attitude of respect, kindness and readiness to help which were reflected in students' feedback;
- Maintained professional growth by HEA workshops: obtained Professional Certificate in Academic Practice and Effective Teaching;
- Received the fellowship of UK Advance Higher Education (FHEA);

PI "National Laboratory Astana" / PI "Nazarbayev University Research and Innovation System" / PI "University Service Management"

(Nur-Sultan, Kazakhstan)

Teaching & Research Assistant

October 2010 - August 2015

- Carried the syntheses and IR-, NMR- UV- analyses of organic and organometallic compounds, including cyclodextrin and porphyrin derivatives;
- Developed research proposals, reports and prepared presentations for ACS conferences;
- Assisted chemistry instructors in the creation of course syllabi, marking, conducting office hours and laboratory practicals;

Innovative Biologics, Inc. (VA, USA)

Research Internship

September 2011- October 2011

- Synthesized organic molecules as a part of the project at NLA;

Axis Shine Saturday School (London, UK)

Teaching Assistant

2008-2010

- Assisted a primary school teacher as a part-time paid job;

Horizon Saturday School (London, UK)

Mathematics teacher

2007-2008

- Taught mathematics to a primary school students as a volunteer;

Education

L.N.Gumilyov Eurasian National University

2013-2015

(Nur-Sultan, Kazakhstan)

MSc Chemistry (GPA 3.74 out of 4)

University College London (UCL)

2007-2010

(London, UK)

BSc Chemistry (First Class Honors)

University College London

2006-2007

University Preparatory Certificate for Science and Engineering (Distinction)

Kazakh-Turkish High School (Distinction, Gold Medal)

2000-2005

(Kyzylorda, Kazakhstan)

Certificates

- Professional Certificate in Academic Practice by HEA UK
- Professional Development Workshop on Effective Teaching by HEA UK
- UK HEA Fellowship
- Completion of “Take your teaching online” course by The Open University

Conferences

- “Synthesis, in vitro testing, and encapsulation of novel organometallic compounds for cancer treatment”. Abstracts of Papers, 247th ACS National Meeting & Exposition, Dallas, TX, United States, March 16-20, 2014.
- “Inhibition studies of beta-cyclodextrin derivatives against staphylococcus aureus.” Abstracts of Papers, 247th ACS National Meeting & Exposition, Dallas, TX, United States, March 16-20, 2014.
- “Bioactivity of new ferrocene compounds”. International Science Conference ‘Shokan Readings - 19’, Vol. 5. Kokshetau, Kazakhstan.
- “Novel organometallic compounds for cancer treatment”. Book of Abstracts of NU’s First Research Week. Nazarbayev University, 2013.