

## PERSONAL INFORMATION



### Merkhatuly Nurlan

 The Republic of Kazakhstan, City of Karaganda, st. University 28,  
E.A. Buketov University of Karaganda



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 <https://publons.com/researcher/1692777/nurlan->

 merkhatuly/

| Date of birth: 10/09/1963

## PLACE OF WORK, POSITION

Academician E.A. Buketov Karaganda University, professor

## SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Doctor of chemical sciences  
Full Professor of Chemistry

## WORK EXPERIENCE

### Place and date

**-1985-1987** - laboratory assistant of the laboratory of chemistry of natural compounds of the Institute of Organic Synthesis and Coal Chemistry of the Academy of Sciences of the Kazakh SSR.

**-1987-1989** - Postgraduate student of the Institute of Organic Synthesis and Coal Chemistry of the Academy of Sciences of the Kazakh SSR and the Institute of Organic Chemistry named after ND Zelinsky Academy of Sciences of the USSR (Moscow).

**-1989-1992** - Researcher of the Chemistry of Natural Compounds at the Institute of Organic Synthesis and Coal Chemistry of the Academy of Sciences of the Kazakh SSR.

**-1992-2008** – Acc.professor of the Department of Organic Chemistry and Polymers of the Karaganda State University named after academician E.A. Buketova.

**-2008-2021**- Head of the Department of Inorganic and Technical Chemistry of the Karaganda University named after academician E.A. Buketova

**-From 2021 to the present** - Professor of the Department of Inorganic and Technical Chemistry of the Karaganda University named after academician E.A. Buketova

## EDUCATION AND PROFESSIONAL TRAINING

### Education

**-1980-1985** - student of the Faculty of Chemistry of the Karaganda State University; specialty: Chemistry.

- **1987-1989** - Postgraduate student (full-time) of the Institute of Organic Synthesis and Coal Chemistry of the Academy of Sciences of the Kazakh SSR and the Institute of Organic Chemistry named after ND Zelinsky of the USSR Academy of Sciences (Moscow);

**-1991** - candidate of chemical sciences; specialty: 02.00.10-Bioorganic chemistry, chemistry of natural and physiologically active substances.

- **1995** - Associate Professor of the Higher Attestation Commission of the Republic of Kazakhstan.

- **2009** - Doctor of Chemical Sciences; specialty: 02.00.03 - Organic chemistry.

- **2011** - Professor of KKSON MES RK; specialty: Chemistry.

**Professional trainings,  
Scientific trips**

- **2015** - Charles University (Prague, Czech Republic).
- **2016** - Zelinsky Institute of Organic Chemistry (Moscow, Russia).
- **2017** - KazNPU (Almaty).
- **2017**- Exhibition EXPO (Astana).
- **2018** - ENU named after L.N. Gumilyov (Astana).
- **2018** - KazNatsZhenPU (Almaty).
- **2019** - Nazarbayev University (Nursultan).
- **2020** - National Center for Biotechnology, ENU named after L.N. Gumilyov (Nursultan).

**SKILLS DEVELOPMENT  
INFORMATION**

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- **2015** - Charles University (Prague, Czech Republic).
- **2016** - Zelinsky Institute of Organic Chemistry (Moscow, Russia).
- **2017**- Faculty of additional education, KarSUim.E.A. Buketova, (Karaganda).
- **2018**- JSC "NTSPK" Orleu "(Almaty).
- **2021**- Faculty of additional education, KarSUim.E.A. Buketova, (Karaganda).

**PERSONNEL QUALITIES**

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**LANGUAGE** Kazakh and Russian languages (fluent), English (level B2).

**Native language** Kazakh language

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**Digital skills** at the user level: Microsoft Office (Word, Excel, Power Point).

**Other skills (hobbies)** Music, reading, board games, swimming, football, volleyball.

**ADDITIONAL INFORMATION**

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### Main publications

- Merkhatuly N., Abeuova S. B., Iskanderov A. N., Aldabergenova S. K., Togizbaeva B. B. Stereocontrolled Acid Cyclization of (+)-Hanphillin // *Rus. J. of Org. Chem.*- 2014.- Vol. 50. No. 5, pp. 757–758;
- Merkhatuly N., Abeuova S. B., Iskanderov A. N., Omarova A.T., Toktarova L.M. Stereoselective transformations of (-) -  $\alpha$ -santonin in the course of alkaline transesterification // *Rus. J. of Org. Chem.*- 2015.- Vol. 51. No. 11. - P.1664-1665;
- N.Merhatuly, S. B Abeuova, A. T. Omarova, S.K. Aldabergenova, L. T. Balmagambetova. Biomimetic cyclization of E, E-germacranolide (+) - hanfilline // *Rus.J. of Gen. Chem.*. 2015. Vol. 85. No.12. -P.2821-2825;
- N.Merhatuly, Shchepetkin I.A., Abeuova S. B., and etc.Synthesis and anti-inflammatory, cytotoxic activity of heteroatomic derivatives of estafiatine // *Bull.of the Kar.Un. – Chem.ser.* - 2015. –№. 1 (77). - C. 4 – 84;
- N.Merhatuly, Shchepetkin I.A., Abeuova S. B., and etc.Synthesis and growth regulatory activity of guaianolide and its derivatives // *Bull.of the Kar.Un. – Chem.ser.* - 2015. –№. 1 (77). - C. 8 – 12;
- N. Merkhatuly et al.Stereoselective synthesis of cis-Eudesmane esters based on (-)-santonin // *Chem.Of Nat. Comp.*2017, Vol. 53, No. 3.-P.582-583;
- N.Merkhatuly,A.N.Iskanderov,A.T.Omarova,P.Vojtisek,S.K.Zhokizhanova. The reaction of C-alkylation of eudesmanolide (-) -  $\alpha$ -santonin // *Bull.of the Kar.Un. – Chem.ser.* - 2019. –№. 2 (78). - C. 8 – 12

**Hirsch index according to Scopus - 3.**

**Clarivate Analytics Hirsch Index - 4.**

**Google Scholar Hirsch Index - 5.**

### Participation in the implementation of scientific projects

1. Grant project of the Ministry of Education and Science of the Republic of Kazakhstan: "Reactions of mono- and bicyclic sesquiterpene  $\gamma$ -lactones with electrophilic and nucleophilic reagents" 2012-2014. (state reg. No. 0112RK00666) (head);
2. Grant project of the Ministry of Education and Science of the Republic of Kazakhstan "Development of a new approach to the stereo-controlled synthesis of physiologically active guayan sesquiterpene  $\gamma$ -lactones, based on a biomimetic strategy" 2013-2015. (state reg. No. 0113RK01089) (head).

### Membership in professional scientific organizations

- **1993-1996** - Member of the Dissertation Council of the OD for the defense of doctoral dissertations in the specialties: organic chemistry, physical chemistry, bioorganic chemistry at IOSU
- **2006 -2011** - Expert of the National Center for Scientific and Technical Expertise of the Republic of Kazakhstan
- **from 2008 to the present** - a member of the Academic Council of the KarU named after E.A. Buketov, the Council of the Faculty of Chemistry, a member of the State Attestation Commission of the Ministry of Education and Science of the Republic of Kazakhstan;
- **from 2020 to the present** - a member of the Dissertation Council for the defense of PhD doctoral dissertations in the specialty "6D060600-Chemistry" on the basis of KazNatsZhenPU MES RK.

## Awards and titles

- 1992** - the best young scientist of the Republic of Kazakhstan, awarded with a badge and a diploma of the Academy of Sciences of the Republic of Kazakhstan;
- 1995** - State scholarship for talented young scientists of the Ministry of Education and Science of the Republic of Kazakhstan;
- **1995** - awarded the academic title of Associate Professor of the Higher Attestation Commission of the Republic of Kazakhstan;
- 2011** - conferring the academic title of Professor KKSON MES RK;
- **2012** - for his great contribution to the development of the university was awarded the jubilee medal "40 years of the KarSU named after Academician EA Buketov";
- **2013** - for high merits in the development of organic synthesis and coal chemistry of Central Kazakhstan was awarded the medal "25 years of Central Kazakhstan oblast";
- **2015** - holder of the title "The best teacher of the university in 2014", awarded a medal of the Ministry of Education and Science of the Republic of Kazakhstan;
- **2016** - was awarded the title of "Person of the Year" of the KSU named after E.A.Buketov;
- **2016** - for the achievements in the field of science of the Republic of Kazakhstan was awarded the badge "For merits in the development of science of the Republic of Kazakhstan".

## Courses

1. Stereochemistry
2. Chemistry of functional materials
3. Chemistry of conjugated systems
4. Theoretical stereochemistry
5. Supramolecular chemistry
6. Methodology of natural-scientific research
7. Structural chemistry

## Professional and scientific interests

Development of new functional materials for organic electronics.  
Organic and organoelemental synthesis.

## SCIENTIFIC DATABASES IDENTIFIERS

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**Researcher ID:** 0-7312-2017  
**ORCID ID:** 0000-0003-4588-2150  
**Author ID Scopus:** 14827177800