

CURRICULUM VITAE

Name Albert Tarasovich Lebedev
Date of birth 29.07.1957
Place of birth Petrozavodsk, Russia
Address Department of Chemistry M.V.Lomonosov State University
Moscow 119992 Russia
tel. (7 495) 939-1407 fax (7 495) 939-1407
E-mail: a.lebedev@org.chem.msu.ru
Home: 119634 Moscow, ul.Skulptora Mukhinoy 10-145.

Education Moscow M.V.Lomonosov State University, Department of Chemistry,
1974 - 1979 student, 1979 - 1982 postgraduate student.
M.D. 1979 GC-MS Study of the Oil Fractions Composition
Ph.D. 1982 Mass Spectrometric Study of Cyclization of Diazoketones
D.Sc. 1992 Mass Spectrometry in Modelling of Chemical Reactions
Promoted in Solution by Acids and Bases.

Awards 1983 – Lenin's Komsomol State award in Chemistry
2007 – Government of Russian Federation award in Science and
Technology

Employment

Permanent position at Moscow M.V.Lomonosov State University,
Organic Chemistry Department
2003 - present Professor, head of the organic analysis laboratory
1991 - 2002 Associate Professor
1990 - 1991 on sabbatical leave in the University of Adelaide, Australia
1986 - 1991 Assistant Professor
1984 - 1986 Senior Researcher
1982 - 1984 Junior Researcher

Besides that:

1989-1993 – Head of the Analytical Section of the International Center of the
Environmental Impact Assessment.

Since 1994 a member of Scientific and Technical Council of Glavrybvod (Fishery Committee) of Russia

1998 – 2001 - Chairman of the Committee on ecological expertise of Pesticides in Russia.

2003-2007, reelected in 2009 – President of the Russian Society for Mass Spectrometry.

Since 2006 – Member of the board of the European Association of Chemistry and the Environment

Since 2009 – member of working body on sport medicine and anti doping control of the State Presidential Committee of Russian Federation on Sport and Physical Training.

Research

1. Study of the gas phase ion chemistry.
2. Analysis of organic pollutants in the environment.
3. Study of organic compounds transformation in conditions of drinking water preparation.
4. Elaboration of the Maximal Permissible Concentrations (MPC) values for chemical compounds and analytical methods of their detection in water.
5. Peptide sequencing by means of mass spectrometry

Teaching

1. 1985 – 2003 Lectures, seminars and practical course of general organic chemistry for the third year students.
2. 1983 – present Lectures and seminars for honors students on organic mass spectrometry and its applications.
3. 1989 – present Lectures and seminars on advanced course of physico-chemical methods in organic chemistry for postgraduate students.

Languages : Russian, English, Spanish.

Selected publications

Books

1. **S.N.Anisova, S.A.Sokolova, T.V.Mineeva, A.T.Lebedev, O.V.Poliakova, I.V.Semenova.** "Maximal allowable Concentrations of dangerous compounds for water". Medinor, Moscow, 1995, 220 p.
2. **A.T.Lebedev** "Mass Spectrometry in organic chemistry" Moscow, Binom, 2003, 493p.
3. **A.T.Lebedev** – Comprehensive Environmental Mass Spectrometry – ILM Publications, London, UK, 2012, 510p., ISBN: 978-1-906799-12-0
4. **Lebedev A.T., Artemenko K.A., Samgina T.Yu.** The basics of mass spectrometry of Peptides and Proteins. Technosfera, Moscow, 2012, 187 p.

Articles

1. **A.T.Lebedev.** Mass spectrometry of Diazo Compounds. - *Mass Spectrom. Rev*, 1991, vol.10, p.91-132.
2. **N.Y.Tretyakova, A.T.Lebedev, V.S.Petrosyan.** Degradative pathways for aqueous chlorination of Orcinol. *Environmental Science and Engineering*, 1994, vol.28, p.606-613.
3. **O.V.Poliakova, A.T.Lebedev, N.K.Karakhanova.** Accumulation of the persistent organic pollutants in the food chain of the lake Baikal. In "*Water Pollution V. Modelling, measuring and prediction*" Ed. By P.Anagnostopoulos and C.A.Brebbia, WIT Press, 1999, p.419-426.
4. **O.V.Poliakova, A.T.Lebedev, O.Hanninen.** Organic pollutants in snow of urban and rural Russia and Finland. *Toxicological and Environmental Chemistry* 2000, vol.75, p.181-194.
5. **A.T.Lebedev, O.V.Polyakova, M.N.Repina, N.S.Sokolov** Contamination of the Caspian Sea ecosystem with organic pollutants. *Water Pollution VII*, Ed.by C.A.Brebbia, D.Almorza, D.Sales; WITPress, Ashurst Lodge, Southampton, UK, 2003, 115-124

6. **E.A.Saratovskikh, O.V.Polyakova, O.S.Roshchupkina** Products of the Photolysis of 3,6-Dichloropicolinic Acid (the herbicide Lontrel) in Aqueous Solutions. *Applied Biochemistry and Microbiology*, 2007, 43, N2, 227-231.
7. **A.T.Lebedev**. Mass spectrometry in the study of mechanisms of aquatic chlorination of organic substrates. *European Journal of Mass Spectrometry*, 2007, 13, N1, 51-56.
8. **A.T.Lebedev**. Introduction to mass spectra interpretation: organic chemistry. *In "Mass spectrometry: instrumentation, interpretation and application"*, Ed.by Rolf Ekman, Jerzy Silberring, Ann M. Brinkmalm, Dominic M. Desiderio, Nico M. Nibbering; Wiley, 2008, 392p., ISBN:978-0-471-71395-1; p.117-178.
9. **T.Y.Samgina, K.A.Artemenko, V.A.Gorshkov, N.B.Poljakov, A.T.Lebedev**. Oxidation vs carboxamido-methylation of S-S bond in Ranid frog peptides: pro and contra for de novo MALDI-MS sequencing. *Journal of the American Society for Mass Spectrometry*, 2008, 19, 479-487.
10. **K. A. Artemenko, A. R. Zubarev, T. Yu. Samgina, M. M. Savitski, A.T.Lebedev, R. A. Zubarev**. Two Dimensional Mass Mapping as a General Method of Data Representation in Comprehensive Analysis of Complex Molecular Mixtures. *Anal. Chem.*, 2009, 81,3738–3745
11. **Samgina T.Yu., Vorontsov E.A., Gorshkov V.A., Hakalehto E., Hanninen O., Zubarev R.A., Lebedev A.T.** Composition and Antimicrobial Activity of the Skin Peptidome of Russian Brown Frog *Rana temporaria*. *Journal of Proteome Research*, 2012, v.11, p.6213-6222.
12. **A.T.Lebedev**. Environmental Mass Spectrometry. *Annual Reviews of Analytical Chemistry*, 2013, 6, 163-189

Total amount of publications is 284.

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