

# Curriculum vitae

**Adam Moroz**

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## University educations and qualifications:

<b>Institute of Photobiology/Institute of Biochemistry Acad.Sci. of BSSR</b> Ph.D. student in Biophysics	1984 - 1988
<b>Belorussian State University</b> : Masters Degree in Theoretical Physics	1975 - 1977
<b>Belorussian State University</b> : Bachelors Degree in Theoretical Physics with honours	1972 - 1975

## Relevant Professional Experience

<b>De Montfort University, Computing Sciences and Engineering, Leicester,UK</b> Research fellow	03/2005-Present time
<b>IDC Expertise, The Innovation Centre of De Montfort University, Leicester,UK</b> Managing Director	05/2003-06/2005
<b>De Montfort University, Applied Sciences, School of Pharmacy, Leicester,UK</b> ° Consultancy in Statistics and Data Analysis, scientific writing.	04/2003-/04/2004
<b>IDC Expertise, The Innovation Centre of De Montfort University, Leicester,UK</b> ° Consultancy in Statistical Analysis, calibration of measurement devices, and technical writing.	06/2002-/05/2003
<b>“BioFarma” Joint Venture</b> Consultant in Data Analysis (part time)	03/2001-/04/2002
<b>“BioFarma” Joint Venture</b> Senior Researcher./Statistician	1995-2000
<b>“Priorbank”</b> Manager of Technical Analysis group/Principal Analyst/ Statistician, Data Analyst	1993-1998
<b>Warsaw University</b> Adjunct to Professor of Applied Mathematics	1994-1995
<b>Grodno State Medical Institute</b> Senior Lecturer in Medical BioPhysics (part/time)	1988 - 1993
<b>Institute of Biochemistry, Belorussian Academy of Science</b> Senior Researcher/Biostatistician/Research Associate	1980 - 1993
<b>Institute of Physics of Solid State and Semiconductors, Acad. Sci. of BSSR</b> Senior Engineer/Research Associate	1977 - 1980

## Skills and Interests

- Ability to work under pressure and meet deadlines.
- Bilingual (Russian/English)
- Good knowledge of Statistical/Mathematical Software such as SAS, SPSS, BMDP, Statistica, SYSTAT, Mathematica, Matlab.
- Knowledge of Programming Languages: VB/VBA, FORTRAN, C/C++.

## List of selected publications:

Stepuro I.I., Zavodnik I.B., Moroz A.R., Maskevich S.A., Ostrovsky Yu.M., Gachko G.A., Kivach L.N. The structure and luminescence properties of pyruvate in aqueous solutions. *Journal of physical chemistry USSR*. 1984, v.58, n.4, p.928-932.

Stepuro I.I., Moroz A.R., Piletskaya T.P. Studies on deuterium exchange in the methyl group of human serum albumin-catalyzed pyruvate. *Biokhimiya*, v.51, n.5, 1986, p.729-736.

Moroz A.R., Kondakov W.I., Stepuro I.I., Yaroshevich N.A. Interaction of pyridoxal- 5-phosphate with human serum albumin and pancreatic ribonuclease. *Biokhimiya*, 1987, v.52, p.550-561.

Deniskovetz A.A., Moroz A.R. Method of regression analysis in linear pharmacokinetic models. *Proceeding of the 4th All-Union conference of young scientists*. Grodno, 1987, p.116.

Nefedov L.I., Moroz A.R., Bukhment M.I. Formation of taurine pool in rat liver under conditions of metabolic imbalance and administration of excess precursors. *Abst. of Papers the 14-th International Congress of Biochemistry, Praha*, 1988.

Deniskovets A.A., Moroz A.R., Panfilova G.N., Ostrovsky S.Yu. On the application of mini- and personal computers in pharmacokinetic research. *Proceeding of the 1st All-Union seminar on application of personal computers. Part 2, Minsk*, 1988, p.100-102.

Tyschenko V.Yu., Moroz A.R. On optimal control in one-dimensional biochemical model. *The 5th All-Union conference of young scientists, Grodno*, 1988, p.71.

Deniskovets A.A., Moroz A.R. Pharmacokinetic model with drug resorption. *The Proceedings of 5th All-Union conference of young scientists, Grodno*, 1988, p.58.

Tsyrunov V.M., Bushma M.I., Gorelik P.V., Novitsky G.K., Zavodnik L.B., Legonkova L.F., Abakumov G.Z., Moroz A.R. Pharmacokinetics of antipyrine in viral and alcoholic diseases of the liver. *Clinical Medicine*, 1989, N.2, p.87-89.

Zimatkina T.I., Yurkievich T.L., Zimatkin S.M., Titova S.P., Moroz A.R. Anticancer activity of immobilized oxythiamine. *Proceedings of Belorussian State University, Ser.2, Chem.Biol.* 1991, N3, p.7

Nefedov L.I., Doroshenko Ye. M., Moroz A.R., Amosova N.Yu. Pool of neuroactive amino acids and biogenic amines in rat brain regions after taurine paraneural food. *2nd International Congress of Amino Acids and Analogues, Vienna*, 1991, p.340.

Pronko P., Rubanowich N., Vielichko M. and Moroz A. Correlation between blood metabolites and severity of alcohol withdrawal syndrome (AWS) symptoms in Alcoholics, *Alcohol and Alcoholism*, 1992, Vol.27, suppl.1, p.204.

Nefedov L.I., Moiseyenko A.G., Moroz A.R., The free amino acid pool in rat liver under paraneural administration of coenzyme A. *Chemico-Pharmaceutical Journal*.- 1992, N4, p. 31- 35.

Nefedov L.I., Moroz A.R., Ostrovsky Yu.M. Statistical analysis of free amino acid pool in rat liver. *Voprosy pitaniya*, 1991, N4, p.37-41.

Nigmatullin R. R., Moroz A., Smith G., Application of the generalized mean value function to the statistical detection of water in decane by near-infrared spectroscopy, *Physica A* 352 (2005) 379–396.

## Books:

Moroz A.R., *The common extremalities in biology and physics*. Publishing house of Ministry of Economy Republic of Belarus, Minsk, 1997, pp. 320

## Submitted Articles :

“Phenomenological Model of Bone Remodelling Cycle containing Osteocyte Regulation Loop” (co-authors: M.C.Crane, G.Smith, D.I.Wimpenny) to *BioSystems*.

## References:

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