

RUSNANO
Russian Corporation of Nanotechnologies
Moscow, Russian Federation

Prof. Dr. Sergey Kalyuzhnyi
Advisor to CEO, Chief Scientist



[Session Chairperson to OZ-18]

Biography

Sergey Kalyuzhnyi graduated with honors from Chemistry Faculty, Lomonosov Moscow State University in 1981, defended his PhD thesis on chemical kinetics and catalysis in 1985 and his Doctor of Science Thesis on the same topic in 1992. Since 2006 he is a professor of the Department of Chemical Enzymology, Chemistry Faculty, Lomonosov Moscow State University. He is an author of 7 monographs, 10 patents, and more than 80 articles in international journals. He was/is also a member of the editorial board of Water Research, Process Biochemistry, Bioresource Technology, and Critical Review in Environmental Bio-technology journals.

Prof. Kalyuzhnyi works in RUSNANO from 9 January 2008. From June 2008 till February 2014 he was a member of the Board of Directors of RUSNANO. Sergey specializes in the relations with research community, technological expertise and the development of scientific and technical policy of RUSNANO Group. Expert of ISO TC 229, IEC TC 113.

Published Books

- Varfolomeyev S. D., Kalyuzhnyi S. V. Biotechnology: kinetic basics of microbiological processes. - M.: Vysshaya shkola, 1990-296p. (in Russian)
- Kalyuzhnyi S. V., Puzankov A. G., Varfolomeyev S. D. Biogas: issues and options. - M.: VINITI, Itogi nauki i tekhniki, Biotekhnologiya, v.21, 1988. -178p. (in Russian)
- Varfolomeyev S. D., Kalyuzhnyi S. V. Biochemical Kinetics of Cell Growth. - Soviet scientific reviews (Harwood Academic Publishers, London), section D, 1990, v.9, part 4, pp. 311-381.
- Kalyuzhnyi S. V., Danilovich D. A., Nozhevnikova A. N. Anaerobic biological treatment of waste water, Biotekhnologiya, v.29, 1991. -187p. (in Russian)
- Struchalina T. I., Sklyar V. I., Kalyuzhnyi S. V. Anaerobic treatment of industrial wastes. - Frunze: Ilim, 1990. -36p. (in Russian)
- Batstone D. J., Keller J., Angelidaki I., Kalyuzhnyi S. V., Pavlostathis S. G., Rozzi A., Sanders W.T.M., Siegrist H., Vavilin V. A. Anaerobic Digestion Model No.1 (ADM1). Scientific & Technical Report No.13, IWA Publishing, 2002. -80p.
- Glossary of nanotechnology and related terms/Edited by Kalyuzhnyi S.V. - M.: Fizmatlit, 2010. -528p. (in Russian)

Numerous other publications, e.g.

- Kalyuzhnyi S., Gladchenko M. DEAMOX - new microbiological process of nitrogen removal from strong nitrogenous wastewater – Desalination, 2009, v.248, p.783-793
- Trukhina A., Gladchenko M., Kalyuzhnyi S., Mulder A., Versprille B. Start-up and optimization of the DEAMOX process after a long storage of sludge. - Progress in Environmental Science and Technology, 2009, v.2. p. 1195-1203.

About RUSNANO

RUSNANO Management Company was established in 2013 following the separation of ownership and asset management functions within RUSNANO. The main directions of activity of the RUSNANO Management Company are management of historical investment portfolio of RUSNANO and the formation of new investment funds under its control (co-management). Mission of RUSNANO Management Company is innovative breakthrough in Russian high technologies based on the combination of the Russian scientific and technical experience with the best practices of the global private equity and venture capital industry.