

Rubin Andrei Borisovich

Rubin Andrei Borisovich, Ph. D., Full Doctor of Biological Science, Professor, Corresponding Member of the Academy of Sciences of Russia, Head of Department of Biophysics, Faculty of Biology, Lomonosov' Moscow State University, Moscow 119991.

Personal Data

Rubin Andrei Borisovich, was born in Moscow 1937, August 31, married, has daughter and son. Office address: Moscow 119991, Moscow State University, Faculty of Biology, Department of Biophysics.

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Education

1969 - D.Sc. dissertation "Mechanisms of regulation of complex biological systems".

1963 - Ph.D. dissertation, title of PH.D. dissertation "Deactivation processes of excited pigment molecules in photosynthetic organisms." Supervisors: Prof. L.A. Tumerman, Prof. A.A. Krasnovskii.

1959 - 1962 - Postgraduate student of Biological faculty, Dep. of biophysics, Moscow State University.

1954 -1959 - Student of Biology faculty, Dep. of Biophysics, Moscow State University

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Professional employment

1976 till now - Head of Department of Biophysics, Faculty of Biology, Lomonosov Moscow State University.

1967 - 1976 - Head of Space Biology laboratory of Biology faculty, Moscow State University.

1964 - 1967 - Senior scientist of Space Biology laboratory.

1962 - 1964 - Assistant Professor, Department of Biophysics, Faculty of Biology, Moscow State University.

Professional Organization

Corresponding Member of the Russian Academy of Sciences.

Head of Scientific Council on Biophysics of the Russian Academy of Sciences.

The member of the RAS Council on the Space Biology and Biological Membranes.

Scientific fields: primary photosynthesis, problems of photobiology, ecology, mathematical modelling in biophysics, education.

A.B.Rubin is one of the leading specialists in biophysics in Russia. His research concerns biophysics of photosynthesis, modeling and thermodynamic of complex systems and cellular mechanisms of regulation at molecular level. A.B.Rubin has conducted investigations on the kinetics and mechanisms of ultrafast energy transduction in photosynthetic and other energy-transducing photosynthetic biological membranes. Qualitative stochastic models of conformational mobility of proteins have been developed. His research concerns also some applied aspects of biophysics in ecology and biotechnology, the development of biophysical express methods of water quality evaluation, express methods of detection of plant resistance to different injuring factors (high and low temperatures, fungal and viral diseases, chemical pollution etc.).

The Department of Biophysics of Biology Faculty of Moscow State University is the leading center of biophysical science and education in Russia. A.B.Rubin is involved deeply in training specialists-biophysicists. Much attention he gives to biophysical education. He is the author of the textbook on biophysics edited in the USSR in two volumes in 1987 and awarded by Lomonosov premium in 1992. In 2013 the third edition of this textbook is published in Russia and translated in USA as «Compendium of Biophysics» in 2017.

The department of Biophysics provides special courses on biophysics including: “Modern methodology of a biophysical experiment”, “Molecular biophysics”, “Selected chapters of modern problems of biophysics”, “Biophysics”, a course on fundamentals of nanobiotechnology in the master joint program for Russian-Chinese University in Shenzhen .

Laureate of the MV Prize Lomonosov for pedagogical activities of the teachers of Moscow University for 2018.

Laureate of the K.A.Timiryazev Prize 2016

Distinguished Professor of Moscow State University (2001).

Laureate of the State Prize (1988).

Honored Worker of the Higher School of the Russian Federation (1997).

Laureate of the A. A. Krasnovsky Prize in the field of photochemistry and photosynthesis (1996).

Laureate of the Lomonosov Prize of Moscow State University (1992).

Publications

A.B.Rubin is the author of more than 655 papers and 24 books.