

Zoran Kovačević

Degrees and Qualifications

M.D.(1962) Medical Faculty, University of Belgrade

D.Sci.(1971) Doctor of Medical Sciences, University of Novi Sad

Professional Record

1963-1972. Teaching assistant Department of Biochemistry, Medical Faculty, University of Novi Sad

1972-1978. Assistant professor (docent)

1978-1984. Associate professor of Biochemistry

1984-2002. Professor of Biochemistry

Fellowships and Postgraduate Education

1960-1962 Student scholarship, Medical Faculty, University of Novi Sad

1969-1970 Postdoctoral fellow, Department of Biochemistry, Medical School, University of Bristol, England

1970-1971 Postdoctoral Fellowship of the National Institutes of Health USA, City of Hope Medical Centre, Los Angeles, California

1980 Fellow of European Molecular Biology Organization (EMBO) Institute of Physiology and Biochemistry, University of Munich, Germany

1983 Fellow of EMBO Institute of Chemistry, University of Marburg, Germany

1991 Visiting professor Memorial University Newfoundland, Canada

Teaching

Biochemistry (undergraduate)

Tumor biochemistry (postgraduate)

Cytology (postgraduate)

Clinical Biochemistry (postgraduate)

Visiting Professor Memorial University, Newfoundland, Canada

Organization of International Scientific Meetings

1986 8th International Symposium on Biochemical Aspects of Kidney Function, Dubrovnik (Yugoslavia)

1987 Symposium on Bioenergetics, 18th Meeting of Federation of European Biochemical Societies, Ljubljana, Yugoslavia)

Membership in Scientific Societies

Biochemical Society of Vojvodina(president)
Biochemical Society of Great Britain

Projects

Principal investigator for 4 domestic projects and
Principal investigator for 2 Yugoslav - American projects(cancer research).

Honors

Member of Serbian Academy of Sciences and Arts

The Most Relevant Publications (out of 140)

1. Kovacevic,Z.(1971) The pathway of glutamine and glutamate oxidation in isolated mitochondria from mammalian cells. *Biochem.J.* 125, 757-763.
2. Kovacevic, Z. and Morris, H.P. (1972) The role of glutamine in the oxidative metabolism of malignant cells. *Cancer Res.* 32, 326-333.
3. Kovacevic, Z. and McGivan,J.D. (1983) Mitochondrial metabolism of glutamine and glutamate and its physiological significance.*Physiol.Rev.* 63, 547-605
4. Kovacevic,Z.(1983) Molecular organization and function of mitochondria, *Naucna knjiga*, Belgrade.
5. Kovacevic, Z.,Jerance, D and Brkljac, O. (1988) The role of glutamine oxidation and the purine nucleotide cycle for adaptation of tumour energetics to the transition from the anaerobic to the aerobic state. *Biochem.J.* 252 (1988) 381-386.
6. Kovacevic, Z., Order and disorder in the development of malignancy. 6. Inter University Conference: Academy of Studenica - Cancer Genetics. 2000,p.1-5.
7. Kovacevic, Z.(2000) *Biochemistry and Molecular Biology* (textbook), Med. Fac., Univ. of Novi Sad.
8. Kovacevic, Z.(2001) *Entropy and Bioenergy*, Serbian Acad. Sci. Arts.

According to Science Citation Index (end of 2000.) the papers were cited 734.