

CURRICULUM VITAE

EUROPEAN FORMAT



PERSONAL INFORMATION

Name, Surname	Katarína Bauerová, PharmDr., DrSc.
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Website	SAS - Katarína Bauerová (sav.sk)
Nationality	Slovak
Place and Date of birth	Bratislava, Jun 8, 1961

WORK EXPERIENCE

Dates	08/1988 - present
Occupation or position held	Leading scientist and Head of the Department of Pharmacology of Inflammation
Main activities and responsibilities	Pharmacological research
Name and address of employer	Centre of Experimental Medicine Slovak Academy of Sciences, Institute of Experimental Pharmacology and Toxicology, CEM SAS, (IEPT), Dúbravská cesta 9, 841 04 Bratislava
Type of business or sector	Public research institution (v.v.i.)

EDUCATION AND TRAINING

Dates	1979 -1984
Title of qualification awarded	Pharmacist
Principal subjects/occupational skills covered	Pharmacology, Pharmacognosis, Pharmaceutical Chemistry, Social Pharmacy and Legislation, Pharmaceutical Technology, Clinical Pharmacy / laboratory skills with animals, measurements in molecular biology and biochemistry, isolation and identification of active substances from plants, synthesis and analysis of synthetic drugs, management of health care, pharmaco-economics, law in health care, formulation and production of medicaments, validation and testing of drug stability.
Name and type of organisation providing education and training	Faculty of Pharmacy, Comenius University in Bratislava
Level in national or international classification	PharmDr. (1984), Doctor of Pharmacy
Dates	1984-1988
Title of qualification awarded	Philosophiae Doctor (PhD) in Pharmaceutical Sciences
Principal subjects/occupational skills covered	Pharmaceutical Sciences, Pharmacology, Pharmacokinetics, Pharmaceutical Technology/ Bioavailability studies, Bio-analysis, Chromatographic methods, Statistical analysis, Controlled drug delivery, drug targeting
Name and type of organisation providing education and training	Faculty of Pharmacy, Comenius University in Bratislava
Level in national or international classification	Philosophiae Doctor (PhD) in Pharmaceutical Sciences (1989)
Dates	2013-2014
Title of qualification awarded	Doctor of Sciences (DrSc)

Principal subjects/occupational skills covered	Pharmacology, Rheumatology, Medical Sciences
Name and type of organisation providing education and training	Medical faculty, University of PJS in Kosice
Level in national or international classification	Doctor of Sciences in Medical Sciences (2014)

RESEARCH ACTIVITIES

Research sectors	<ul style="list-style-type: none"> • Study of global burden diseases. First, research into pharmacokinetics of relevant drugs, later specialization in pharmacological intervention in rheumatoid arthritis and inflammation • Study of biological active substances with immunomodulatory and/or antioxidative properties from natural sources and of synthetic origin <i>in vivo</i> on experimental arthritis models
Recent Scientific Activities.	<p>Pharmacology, Pathobiochemistry, Rheumatology, laboratory skills with arthritic animals (adjuvant arthritis model, carrageenan model of acute inflammation and others), biochemical and immunological measurements</p> <p>Study of different polyphenols and endogenous substances (coenzyme Q, chondroitin sulphate, carnosine and others) able to ameliorate the development of arthritis in experimental conditions</p>
Books and Articles	286 publications including 10 book chapters and 69 in extenso articles published in Journals of Current Contents database, others registered in WOS or Scopus 15, 951 citations in Web of Science and Scopus databases and 49 citations in other databases

ADDITIONAL INFORMATION

Responsible coordinator for running projects:

- APVV SK-PT-18-0022, 2019-2022: Collaboration on a complex pharmacological assessment of inflammatory diseases of the muscle-skeletal system and gastrointestinal tract on experimental animal models
- APVV SK-CN-21-0039, 2022-2023: Application of bionic hydrogel enriched with selected natural compounds for repair of articular cartilage lesion
- VEGA 2/0136/20, 2020-2023: In vitro and in vivo evaluation and comparison of anti-inflammatory and antioxidative efficacy of carotenoids by using different experimental inflammatory models
- Bilateral VAST-SAS JOINT PROJECT, 2020-2023: Anti-inflammatory effects of natural compounds isolated from Vietnam medicinal plants

Concerning the **projects involved**, I was in teams of six APVV projects, for three projects I have been the principal investigator, for one of these I was the principal investigator at the cooperating institution and for two APVV projects I was the deputy of the principal investigator of the coordinating institution. Further, I was the principal investigator for five VEGA projects and responsible scientist and coordinator for the Slovak part in four SAV bilateral projects with CNR, RAMS, VAS and BAS

PhD study supervisor:

- In Pharmacology – 4 students finished, one is in process
- In Pharmacognosy and Pharmaceutical technology – 5 students finished
- In Animal Physiology - 3 students are in process

Field of study:

- Study of global burden diseases. First, research into pharmacokinetics of relevant drugs, later specialization in pharmacological intervention in rheumatoid arthritis and inflammation
- Externally - in the years 2005-2008 - as expert in the State Institute for Drug Control concerned with safety control of the market for medical devices and health care utilities and member of the EC workgroup involved in problems of pharmacovigilance
- Lecturing activities in Comenius University and in the Slovak Medical University

Membership in scientific societies:

- 1999-2011 Vice-president of the Slovak Pharmaceutical Society, member of the organizing committees of more than 15 national and international symposia and conferences,
- 1989-99 Association of Pharmacists in Bratislava – various functions in the committee; “Award of V.J. Zuffa” for the development of the Pharmacy in Slovakia
- At present: Member of the committees of Slovak Pharmaceutical Society and Slovak Pharmacological Society

Peer Reviewer for the following Journals:

- Free Radical Research
- European Journal of Pharmaceutical Sciences
- Food Chemistry
- Pharmacological Research
- General Physiology and Biophysics
- Biomedicine & Pharmacotherapy
- Food & Function
- Journal of Complementary and Alternative Medical Research
- Phytotherapy Research
- Journal of Functional Food
- Antioxidants
- Molecules
- Nutrition
- others

Workplace

Current location: Senior scientist in Pharmacology, Head of the Department of Pharmacology of Inflammation, Centre of Experimental Medicine, Slovak Academy of Sciences, Institute of Experimental Pharmacology & Toxicology, Address and Contact: Dúbravská cesta 9, SK-841 04 Bratislava, Slovak Republic, e-mail: katarina.bauerova@savba.sk
Director of the Institute: RNDr. Mojmír Mach, CSc., e-mail: mojmir.mach@savba.sk

**PERSONAL SKILLS AND
COMPETENCES**

Mother tongue(s)
Other language(s)

Slovak
English, German, Hungarian

Computer skills and
competences

MS Office: Word, Excel, PowerPoint

Artistic skills and competences

Skills in meditation, chi-kung and kriya yoga techniques

Driving licence

B, AM (1986); B1 (2004)

PLACE AND DATE

SIGNATURE



Bratislava, November 22, 2022