


Curriculum vitae

	Name, academic position and degree
	Emilio Viktorov Mateev, Assistant Professor of Pharmaceutical Chemistry
Affiliation – research organization, department	
Faculty of Pharmacy, Medical University of Sofia	
Education	
Pharmacy	
Academic positions in the last five years	
Assistant Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Medical University – Sofia, Bulgaria	
Main research area and subareas	
Hits identification and lead optimizations through <i>in silico</i> structure-based drug design techniques. Consensus docking, MM/GBSA recalculations, Molecular dynamic simulations. Conventional and microwave-assisted synthesis of pyrrole-based compounds (including amides, hydrazides, hydrazide-hydrazones, esters, etc.). Structural characterization (HLPC, NMR, FT-IR, etc.).	
Additional research areas and subareas	
Analyses of frontier orbitals and optimization of chemical structures through density functional theory (DFT) calculations at the B3LYP level of theory.	
Specializations abroad and international collaborations	
Scientific awards and membership in scientific societies	
Membership in scientific societies: -Member of the Bulgarian Pharmaceutical Union	
Scientific publications in the field of the research project	
Participation in projects supported by other sources in the last five years	

Financing organization: Medical Science Council of the Medical University, Sofia 2021

Type of the competition and year: Competition GRANT 2021

Number or acronym of the project: № Д-100/04.06.2021

Title: Design, synthesis and MAO evaluation of novel N-pyrrole carboxamides

Project coordinator: Professor Alexander Zlatkov, PhD

Status of the project: (completed)

Participation in projects supported by other sources in the last five years

Financing organization: Medical Science Council of the Medical University, Sofia 2022

Type of the competition and year: Competition GRANT 2022

Number or acronym of the project: № Д-106/14.06.2021

Title: Structure-based repurposing of FDA-approved drugs in the treatment of Alzheimer's disease

Project coordinator: Professor Alexander Zlatkov, PhD

Status of the project: (running)