

## EDUCATIONAL ACTIVITIES OF BULGARIAN BIOCHEMICAL SOCIETY



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- The types of higher education institutions in Bulgaria are Universities, Colleges, Specialized Higher Schools and Bulgarian Academy of Sciences. Universities, as in most countries worldwide, have three stages: Bachelor's (undergraduate), Master's (graduate), and Doctoral degrees. Undergraduate stage lasts for at least four years and graduate stage lasts for five years after completion of secondary education or one year after obtaining a Bachelor's Degree. The third stage of higher education results in obtaining a Ph.D. Degree

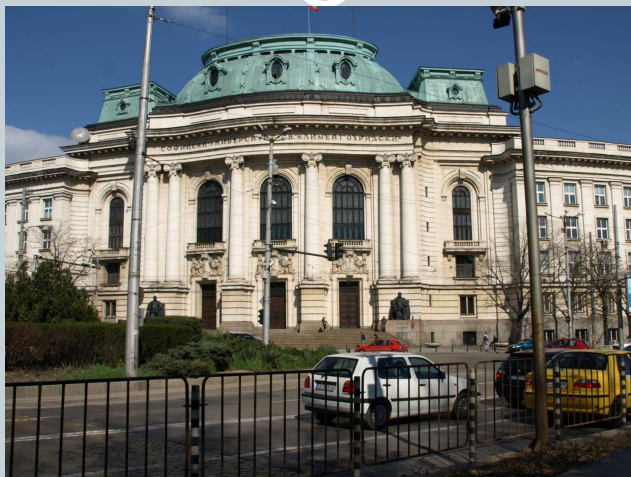


- A lot of the members of Bulgarian Biochemical Society are taking active participation in teaching in natural sciences in bachelor's, master's and doctor's degrees programs.



- The main Universities in which they are teaching are:

## Sofia University



## Faculty of Biology



## Faculty of Chemistry and Pharmacy



## Faculty of Medicine





UNIVERSITY OF CHEMICAL TECHNOLOGY AND METALLURGY



## MEDICAL UNIVERSITY, SOFIA



- Members of our society from the Department of Biochemistry and Chemistry of Medical University, Sofia has a project for creation of conditions for institutionalization of the Web-based problem-solving oriented learning . This model might be used and for other disciplines. A part of this model are audio maps for different metabolic pathways .

## MEDICAL UNIVERSITY, VARNA





## Bulgarian Academy of Sciences



- The programs which they are include concern – Ecology, General and Medical Biochemistry, General and Medical Biophysics, Molecular biology, Biotechnology, Genetics, Nanomedicine and Tissue Engineering. The programmers provide different training courses thus preparing students for participation both in basic fundamental research and in the development of high technology, diagnosis and other fields of biochemistry and molecular biology.

- Thus students receive in-depth knowledge of molecular mechanisms occurring in the living organisms and acquire modern methodological approach to the analysis of these mechanisms. Some of the training courses are devoted to the creatively approach to the analysis of the biochemical basis of unknown or poorly studied processes in living cells. The lecturers make lectures and seminars for some new biological methods in the field of proteomics, genomics, transcriptomics and metabolomics.

### Practical courses in Biotechnology





## Practical courses in Biochemistry





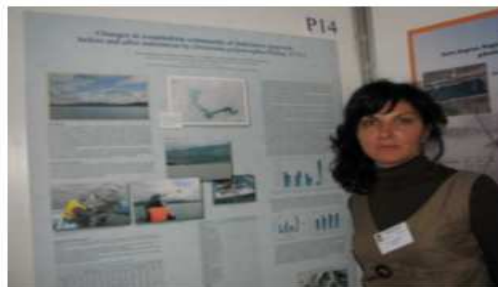
- The practical courses lead to ability of students to work in team, decisions making and initiative. There are some lectures and seminars for teaching students how to realize scientific and business projects, key decisions making in management of risk factors, how to write scientific papers. A lot of our members take part in different commissions for defense of bachelor, master and PhD thesis.



- Some of the lectures and training courses are conducted in the Bulgarian Academy of sciences for the well equipped laboratories with new modern techniques.

- Another activity of the Biochemical Society is the organization of an annual meeting for students in the Faculty of Biology – St. Kliment's Days, where students and PhD students present their scientific results as posters or short oral presentations and learn from scientists from different universities and BAS about the recently obtained results concerning the latest investigations in life sciences.

## St. Kliment days

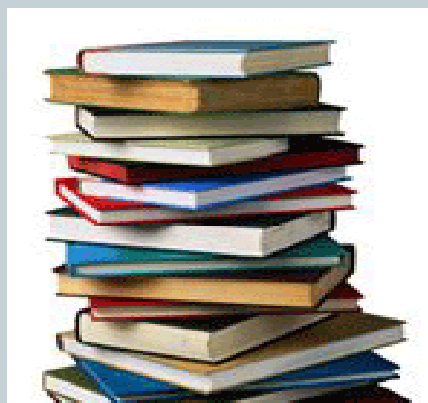


- There is an Olympic team of biological science from highest score students from high schools and one of the leaders of this team is from our society. This team won a lot of awards from different international competitions.

The Laboratory in Biology where the Olympic team is trained by us and colleagues from the Faculty



- Members from the society have written several textbooks of biochemistry, molecular biology and genomics which are very useful for students. There are and some handbooks for exercises in biochemistry , biotechnology and molecular biology.



- Our members have a lot of PhD students which are working in the laboratories of the Universities and BAS. There is a PhD school in BAS and in some universities for successful education of the students. The scientists introduce to the students the state of art of different sciences. One of the aim of such kind of schools is to support promising students with good achievements in their education and research work.



THANK YOU FOR YOUR  
ATTENTION