

The laboratory of biochemistry of “Biology” Scientific-Research institute of YSU

The metabolism of nitrogen containing substances in microorganisms, plants and animals is realising. The biochemical features and metabolic activity of different molecular forms (isoenzymes) of different enzymes (L-, D- amino acid oxidases, arginase, etc.) of nitrogen metabolism are studying. In X-radiated and repaired low eucariotic organisms (yeasts) are investigating DNA structural changes, the changes in metabolism of purine and pyrimidine nitrogen bases, nucleosides, nucleotides, as well as the aspects of protein metabolism and de novo synthesis. The oligomer structure of isofunctional proteins, the reversible inactivation of oligomer enzymes, the interactions between the subunits in the oligomer are studying. The biochemical activity and role of different biological active substances of pharmacological significance in herbs is investigating.

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