

## Working out of the Biotechnological Methods of Isoprene emission by the Unicellular Green Algae

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**Research task.** Working out of the new strains of the unicellular green Algae, which emit isoprene; their physiological, biochemical and molecular-genetic study.

**Carry out works.** We studied four species of the unicellular Algae. These are: two strains of chlorella (*Chlorella vulgaris*, 1987 and 1997), *synechocystis* (*Synechocystis aquatilis*, A 801) and *desmodesmus* (*Desmodesmus abundans*, H 502).

We succeeded to obtain the intensive cultures of mentioned Algae. For the lack of funds, unfortunately we couldn't study basic physiological parameters of mentioned cultures. By this reason, we couldn't get that sort of strain, which would have, at the same time with intensive emission of isoprene, suitable stability.

**Conclusion.** The expansion of Investigation will be possible with receiving grant and basis financing.