



**Stanislav Obruca** works as associated professor at Faculty of Chemistry, Brno University of Technology in Brno, Czech Republic. His research is, at first, aimed at valorization of waste streams of food industry, agriculture and other industries by their biotechnological conversion into polyhydroxyalkanoates and other high value products. Secondly, he is also investigating stress response and stress resistance (in environment but also during biotechnological processes) of bacteria especially in context of their capability of PHA accumulation. He is also

interested in PHA isolation and purification, biotechnological process monitoring by advanced analytical techniques, lignocellulose hydrolysis, hydrolytic enzymes production, stress response of bacteria in general and physiology of bacterial cells.