

Jarosław Chwastowski

Academic degrees : PhD, Dsc, Eng

Position : University Professor

Engineering - technical field

Discipline Chemical engineering

Academic qualifications:

Evaluation Committee - Faculty Session of Scientific Clubs
Examination Committee for the first and second cycle of Biotechnology at WIITCh
Member of the Program Council for the Biotechnology at WIITCh
Supervisor of the BioChemLab Scientific Club
Member of the Doctoral Committee

Membership in professional and academic boards :

Academic merits :

38 scientific publications from the Philadelphia list (IF ~125, index H – 13)
21 conference presentations
2 national patents
Participation in 9 scientific projects, including the head of 1 project

Professional qualifications/language skills

English
Japanese

Research field :

Use of heavy metals to increase astaxanthin production by *Phaffia rhodozyma* yeast cells. Production processes that use the potential of heavy metals as enzyme cofactors and biological regulators.
Toxicology and bioavailability: Evaluation of the effects of heavy metals on yeast cells and analysis of their bioavailability. These studies help develop methods to minimize the potential risk of toxicity.
Sustainable production: Development of astaxanthin production processes that are both efficient, ecological and aimed at increasing the availability of this valuable substance, which has potential in areas such as the food industry, dietary supplements and medicine.
Bioremediation of toxic compounds using organic matter and microorganisms,
i.e. the process of environmental purification using natural resources by developing techniques that contribute to the effective neutralization of pollutants in soil, water and sediments using consortia of microorganisms and various types of organic matter.

Address

Cracow University of Technology,
Faculty of Environmental Engineering and Energy
Address:
31-155 Krakow
phone .
e-mail :

Useful links :