## Laboratory exercises in environmental biotechnology / Adam Muszyński, Agnieszka Tabernacka, Maria Łebkowska. – Warszawa, 2020

## Spis treści

INTRODUCTION	4
ASSESSMENT OF BIODEGRADABILITY OF ORGANIC COMPOUNDS	5
EFFECT OF WASTEWATER COMPOSITION ON BIODEGRADATION OF ORGANIC POLLUTANTS	17
EVALUATION OF BIOLOGICAL PERFORMANCE OF ACTIVATED SLUDGE PLANTS BASED ON MICROSCOPIC OBSERVATIONS	26
EVALUATION OF ENZYMATIC ACTIVITY OF ACTIVATED SLUDGE MICROORGANISMS BASED ON TTC TEST	43
MICROBIOLOGY OF ACTIVATED SLUDGE SYSTEMS WITH BIOLOGICAL NUTRIENTS REMOVAL	51
MICROSCOPIC OBSERVATIONS AND EVALUATION OF BIOFILM IN TRICKLING FILTERS	63
ORGANISMS ACTIVE IN AEROBIC BIOLOGICAL DISPOSAL OF SOLID WASTE (COMPOSTING PROCESS)	76
HEAVY METALS REMOVAL FROM WASTEWATER, SLUDGES AND WASTES - BIOSORPTION AND BIOLEACHING	89
BIOREMEDIATION OF SOILS POLLUTED WITH PETROLEUM DERIVATIVES	99
BIOLOGICAL METHODS OF WASTE GAS TREATMENT	109
TESTING THE EFFECTIVENESS OF AIR DISINFECTION BY FILTRATION AND UV IRRADIATION	121
TESTING THE EFFECTIVENESS OF WATER DISINFECTION BY CHLORINATION	141