

Zavod za polimerno inženjerstvo i organsku kemijsku tehnologiju
(Savska 16/II)

Kolegij: Napredne oksidacijske tehnologije

Asistentice: mag. ing. oecoing. Josipa Papac Zjačić (jpapac@fkit.unizg.hr)
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Uvjeti

-izrada seminarskog rada u Word obliku! (min. 5 kartica teksta, min. 5 literaturnih referenci)

-izlaganje u obliku prezentacije! (10-15 min)

-nakon izlaganja komentar asistenta te diskusija cijele grupe na zadanu temu!

-naziv datoteke (Word i PowerPoint): broj teme_prezime svakog člana abecedni (primjer: 01_PapacStefanović)

-materijali: na mail!

-konzultacije > PON: 12-13 h!

-seminarski rad: 20 bodova

-10: izlaganje

-10: izrada rada

**SEMINARSKE RADOVE POSLATI NAJKASNIJE DO
20.11.2023. !**

Početak izlaganja: 21.11.2023. u terminu seminara!

TEME

1. Bisphenol A degradation by Fenton Advanced Oxidation Process and operation parameters optimization
2. Humic Acid Degradation by the Ozonation Process: Parameters Effect and Comparison of Ozonation Method
3. Metronidazole Degradation by UV and UV/H₂O₂ Advanced Oxidation Processes: Kinetics, Mechanisms, and Effects of Natural Water Matrices
4. UV Light-Irradiated Photocatalytic Degradation of Coffee Processing Wastewater Using TiO₂ as a Catalyst
5. Facile one-step synthesis of TiO₂/Ag/SnO₂ ternary heterostructures with enhanced visible light photocatalytic activity
6. Sonocatalytic degradation of direct blue dye using semiconductor nanocatalyst
7. Effect of Glow-Discharge Plasma Treatment on Contact Angle and Micromorphology of Bamboo Green Surface
8. Photocatalytic ozonation of organic pollutants in wastewater using a flowing through reactor
9. TiO₂/g-C₃N₄ Binary Composite as an Efficient Photocatalyst for Biodiesel Production from Jatropha Oil and Dye Degradation

| TEMA | STUDENTI | TERMINI |
|-------------|-----------------------------------|--------------------|
| 1. | Berečić Marija, Bilokapić Martina | 21.11.2023. |
| 2. | Bubaš Pamela, Bušić Bruno | |
| 3. | Grganović Dominik, Hećimović Dora | |
| 4. | Horvat Mislav, Jović Nikol | 28.11.2023. |
| 5. | Kovač Dora Katarina, Kuzmić Leona | |
| 6. | Mikuličić Filip, Pleić Andrea | |
| 7. | Radetić Antonela, Rivić Leonora | 05.12.2023. |
| 8. | Rodić Dino, Svorcina Lucija | |
| 9. | Vranko Sara, Žaja Korina | |