

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

Kolegij: Napredne oksidacijske tehnologije

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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!

-materijali: na mail !

-konzultacije > PON: 12-13 h!

-seminarski rad: 20 bodova

-10: izlaganje

-10: izrada rada

**SEMINARSKE RADOVE POSLATI NAJKASNIJE DO
19.11.2020. !**

Početak izlaganja: 26.11.2020. u terminu seminara!

TEME:

1. Degradation of indigo carmine by photo-Fenton, Fenton, H₂O₂ UV-C and direct UV-C: Comparison of pathways, products and kinetics
2. Treatment of wastewater containing Acid Blue 92 dye by advanced ozone-based oxidation methods
3. Degradation of tri(2-chloroisopropyl) phosphate by the UVH₂O₂ system: Kinetics, mechanisms and toxicity evaluation
4. Effect of inorganic ions on the photocatalytic treatment of agro-industrial wastewaters containing imazalil
5. Potential of pulsed corona discharges generated in water for the degradation of persistent pharmaceutical residues
6. Ultrasound-assisted advanced oxidation processes for water decontamination
7. Wastewater treatment by means of advanced oxidation processes based on cavitation – A review

Tema	Studenti	Termini
1., 2., 4.	Bingula Petra, Čačko Sara; Delić Dorian, Duhaček Hana; Jambrošić Karlo, Jazbišek Ivana	3.12.
3., 5.	Đerek Ana Marija, Hamilton Stella; Krišto Ivan, Krmek Karla;	10.12.
6., 7.	Liber Kristina, Marčec Dorotea; Pančić Eva, Sirovina Antonela	17.12.