COURSE: ENVIRONMENTAL PROTECTION

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Web page: http://www.unist.hr/split-summer-school-2019

Main topics:
- Origin of chemical pollutants in the sea, with emphasis on its pathway from atmosphere.
- Introduction to physicochemical and biological water treatment methods and its application.
- Advances in membrane technologies for water treatment.
- The role of biopolymers in obtaining environmentally friendly materials.

Programme structure:
- 5-days course with lectures, seminars, laboratory work and field work related to the environmental protection.
- Laboratory work: JAR test, BOD, COD and SVI determination.
- Field work is planned as visiting to the plant for drinking water purification and wastewater treatment plant.

Important dates:
Course dates: 02/09/2019 – 06/09/2019
Deadline for application: 01/08/2019
Payment due by: 19/08/2019
Confirmation of the course: 26/08/2019

Price of the course: 300 € (tax included)

Bed & breakfast: 191,36 € (tax included) – contact person: Marina Kero
marina.kero@scst.hr

Programme plan:
Day 1
- Lecture (2 h): Pollution of environment
- Seminars (2 h): Estimation of pollutant distribution.

Day 2
- Seminars (2 h): Design of gravity settling tank.
- Exercise (5h): Coagulation/flocculation using JAR test.

Day 3
- Lecture (1 h): Biological treatment of wastewaters.
- Exercise (5h): COD, BOD and SVI determination.

Day 4
- Lecture (1 h): Membrane processes application.
- Lecture (2 h): Biodegradable polymers. Polylactic composites with olive stone flour as the filler.
Field work (5 h)

Day 5
- Round table (2 h)

Programme lecturers:
Marijo Buzuk, Ph. D., assistant professor, Faculty of Chemistry and Technology, Split, Croatia
Branka Andričić, Ph. D., full professor, Faculty of Chemistry and Technology, Split, Croatia
Marina Trgo, Ph. D., full professor, Faculty of Chemistry and Technology, Split, Croatia
Nediljka Vukojević Medvidović, Ph. D., full professor, Faculty of Chemistry and Technology, Split, Croatia
Sanja Perinović Jozić, Ph. D., assistant professor, Faculty of Chemistry and Technology, Split, Croatia
Maša Buljac, Ph. D., assistant professor, Faculty of Chemistry and Technology, Split, Croatia
Ivona Nuić, Ph. D., assistant professor, Faculty of Chemistry and Technology, Split, Croatia
Marin Ugrina, Ph. D., assistant professor, Faculty of Chemistry and Technology, Split, Croatia
Antonija Čelan, Ph. D., postdoctoral researcher, Faculty of Chemistry and Technology, Split, Croatia