



SPLIT SUMMER SCHOOL STSS2018

**COURSE: ENVIRONMENTAL PROTECTION**

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**Web page:** <http://www.unist.hr/split-summer-school-2018>

**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-day 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 planned as a visit to the plant for drinking water purification and wastewater treatment

**Important dates:**

Course dates: 03/09/2018 – 07/09/2018

Deadline for application: 01/08/2018

Payment due by: 18/08/2018

Confirmation of the course: 20/08/2018

Price of the course: 300 € (tax included)

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

**Programme plan:**

Day 1

- Lecture(2 h): Pollution of environment
- Seminars (2 h): Estimation of pollutant distribution

Day 2

- Lecture (1 h): Water reuse. Physical chemical methods in water and wastewater treatment.
- 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, PhD, Assistant Professor, Faculty of Chemistry and Technology, Split, Croatia

Branka Andričić, PhD., Full Professor, Faculty of Chemistry and Technology, Split, Croatia

Marina Trgo, PhD, Full Professor, Faculty of Chemistry and Technology, Split, Croatia

Nediljka Vukojević Medvidović, PhD, Associate Professor, Faculty of Chemistry and Technology, Split, Croatia

Sanja Perinović Jozić, PhD, Assistant Professor, Faculty of Chemistry and Technology, Split, Croatia

Maša Buljac, PhD, Assistant Professor, Faculty of Chemistry and Technology, Split, Croatia

Ivona Nuić, PhD, Research Associate, Faculty of Chemistry and Technology, Split, Croatia

Marin Ugrina, PhD, Research Associate, Faculty of Chemistry and Technology, Split, Croatia

Antonija Čelan, PhD, Postdoctoral Researcher, Faculty of Chemistry and Technology, Split, Croatia