

Partner presentation

AdSWiM | Di4A University of Udine | Dr. Clara Comuzzi

Kick off meeting | Udine | 9-10 th of April 2019

About the Organisation

- **37** Bachelor's degree courses
- **36** Master's degree courses
- **15.397** students enrolled - a.y. 2017/2018
- **4.300** students registered - a.y. 2017/2018
- **2.938** graduates in 2018
- **8** Departments
- **1** Scuola Superiore
- **4** interdepartmental research centers
- **7** Libraries
- **314** laboratories
- **638** Faculty members
- **200** Research fellows
- **257** PhD students

Expertise linked with AdSWiM goals

- Organic Chemistry - Molecular and Synthetic design - physical-chemical characterization
- Analytical Chemistry - Electroanalytical chemistry - Sensor design



Interreg
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UNIVERSITÀ
POLITECNICA
DELLE MARCHE

ICRI
CNR Istituto di Cristallografia



ZAVOD ZA JAVNO ZDRAVSTVO ZADAR



Activities (WP) in AdSWiM project and equipment available

- **WP4-Innovative actions in Waste water treatments (WWT)**
 - Development of **photoactive materials** capable, by irradiation, of converting oxygen into active oxygen species that have a strong bactericidal effect suitable for disinfection purposes.
 - Synthesis of photoactive coatings for metallic or polymeric surfaces
 - Synthesis of new photoactive polymeric materials
 - Physical-chemical characterization of the innovative materials
 - Quantification of ROS formed per cm² of material
 - Development of **sensors for the determination of orthophosphate** in sea water.
 - Analytical test of commercially available orthophosphate sensors
 - Preparation of innovative selective molecular imprinted sensors
 - Chemical and analytical characterization of the new sensors

Facilities:

Organic lab
UV-Vis
FT-IR
NMR
Analytical lab
potentiostat /
galvanostat / EQCM
potentiostat /
galvanostat / impedance

Team

Technical staff:

Dr. Clara Comuzzi e-mail clara.comuzzi@uniud.it tel 0039 0432 558845

Dr. Sabina Susmel e-mail sabina.susmel@uniud.it tel 0039 0432 558823

Administrative contact person

DI4A Dipartimento di scienze agroalimentari, ambientali e animali

Marinella D'Antoni e-mail marinella.dantoni@uniud.it tel 0039 0432 558602

Area science park Padriciano TS

T&B e Associati srl e-mail adswim@tbassociati.it



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