



**UNIVERSITÀ POLITECNICA DELLE MARCHE**  
**FACULTY OF ENGINEERING**

---

**Master Degree**  
**Environmental Engineering**

Department of Material, Environmental and City Planning  
Science and Engineering

**SMART WATER AND EFFICIENT MANAGEMENT IN  
LARGE INDUSTRIAL SITES: THE ITALIAN CASE  
STUDY OF ARETUSA**

*Supervisor:*

**Prof. Francesco Fatone**

*Assistant supervisor:*

**Prof. Anna Laura Eusebi**

*Student:*

**Amir Khalili**

*Academic Year 2019/2020*