**Personal information** dr. Sabina Susmel; ORCID number http:// orcid.org/0000-0002-6916-7373; Date of birth: 05.06.1969; Nationality: Italian; Website: www.uniud.it

**Education**

1999 PhD Environmental Sciences, Dept of Analytical Chemistry, University of Firenze (UniFI), Italy, (Biosensors for toxin detection in food and environment).

1994 MSc in Food Sciences*,* UniUD, Italy.

**Academic and Professional qualifications**

2004– Now *Assistant professor* in Analytical Chemsitry (CHIM/01), UniUD

2002 – 2003 *Assegno di Ricerca,*Dep. of Chemical Sciences and Technology**,** Analytical chemistry section (UniUD).

2001 – 2002 *Research Fellow,* Dep. of Chemical Sciences and Technology, Analytical chemistry section (UniUD).

1999 – 2001 *Marie Curie EU fellowship*, Analytical Chemistry Department, Biosensors Development Laboratory (National University of Cork- Ireland- NUIC) (Biosensors for algal toxins detection relevant for food quality)

**Research Funding**

Scientific supervisor "Functional Polymers conductors, nanostructured, environmentally friendly for the treatment of liquid matrices” (PAR-FSC 039/PARFSC/2015).

Scientific supervisor "Improving the quality of drinking water by means of innovative systems” (PAR-FSC 047/2013)

Partner in “TOXIpoc Sistema diagnostico Point-of-Care per la rilevazione di bio-tossine nella filiera alimentare marina” –POR FESR 2014-2020-Regione FVG (ID 40216)

Project Manager of “AdSWiM: managed use of waste water for the quality of the sea water”- Interreg IT-HR project V-CBC-2014-2020 (ID 10046144)

Project Manager of “HATCH Hadriaticum DATA HUB. Data management, protocols harmonization, preparations of guidelines: cross-border tools for maritime spatial planning decision-makers”. Interreg IT-HR project 2020 (ID 10418461)

**Teaching Activity**

2004- present Analytical Chemistry (3CFU) First level degree Biotechnology (UniUD),

2012-present Analytical Chemistry (3CFU) First Level degree Viticulture and Oenology (UniUD)

2012 present Chemometrics (3CFU) First level degree Food Sciences (UniUD)

2008-2012 Sensors in Aroma Analysis –(2CFU) First level degree Food Sciences (UniUD)

Supervisors of first level degree thesis and master degree thesis

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2023 Ben-Aissa S, De Marco R, Susmel S. (2023) POM@PMO plastic electrode for phosphate electrochemical detection: a further improvement of the detection limit. Mikrochim Acta. 2023 Mar 15;190(4):135. doi: 10.1007/s00604-023-05679-1.

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2021 Figueredo F., Girolametti F., Aneggi E., Lekka M., Annibaldi A., Susmel S. (2021) Plastic electrode decorated with polyhedral anion tetrabutylammonium octamolybdate [N(C 4 H 9) 4] 4 Mo 8 O 26 for nM phosphate electrochemical detection Anal Chim Acta. , 1161:338469. doi: 10.1016/j.aca.2021.338469.

2020 F Figueredo, F Girolametti, A Annibaldi, N de Bortoli, M Mion, S Susmel. (202) Adswim: Adriatic sea protection, by biotech and managed use of wastewater

2020 Comuzzi C., Fiorot A., Baggio A., Maifreni M., Strazzolini P., Marino M., Susmel S. (2020). Imprinting Pentaphyrin on Conductive Electropolymerized Dipyrromethane Films: A New Strategy towards the Synthesis of Photokilling Materials. CHEMPLUSCHEM, vol. 85, p. 776-782, ISSN: 2192-6506, doi: 10.1002/cplu.202000137

2019 Figliolia, Rosario, Cavigli, Paolo, Comuzzi, Clara, Del Zotto, Alessandro, Lovison, Denise, Strazzolini, Paolo, Susmel, Sabina, Zuccaccia, Daniele, Ballico, Maurizio, Baratta, Walter (2019). CNN pincer ruthenium complexes for efficient transfer hydrogenation of biomass-derived carbonyl compounds. DALTON TRANSACTIONS, ISSN: 1477-9226, doi: 10.1039/c9dt04292j

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2018 Marsilia, Massimiliano, Susmel, Sabina (2018). Free-standing Plastic electrodes: Formulation, electrochemical characterization and application to dopamine detection. SENSORS AND ACTUATORS. B, CHEMICAL, vol. 255, p. 1087-1096, ISSN: 0925-4005, doi: 10.1016/j.snb.2017.08.052

2017 Susmel, Sabina, Comuzzi, Clara (2017). Selectivity and Efficiency of Conductive Molecularly Imprinted Polymer (c-MIP) Based on 5-Phenyl-Dipyrromethane and 5-Phenol-Dipyrromethane for Quorum Sensing Precursors Detection. CHEMOSENSORS, vol. 5, ISSN: 2227-9040, doi: 10.3390/chemosensors5010005

2015 Susmel, S., Comuzzi, C. (2015). 5-Phenyl-dipyrromethane and 5-(4-pyridyl)-dipyrromethane as modular building blocks for bio-inspired conductive molecularly imprinted polymer (cMIP). An electrochemical and piezoelectric investigation. RSC ADVANCES, vol. 5, p. 78379-78388, ISSN: 2046-2069, doi: 10.1039/c5ra16129k

2005 SUSMEL, Sabina, TONIOLO, Rosanna, PIZZARIELLO A., DOSSI, Nicolo', BONTEMPELLI, Gino (2005). A piezoelectric immunosensor based on antibody entrapment within a non-totally rigid polymeric film. SENSORS AND ACTUATORS. B, CHEMICAL, vol. 111-112, p. 331-338, ISSN: 0925-4005

2003 SUSMEL, Sabina, Guilbault GG, O'Sullivan CK (2003). Demonstration of labeless detection of food pathogens using electrochemical redox probe and screen printed gold electrodes. BIOSENSORS & BIOELECTRONICS, vol. 18, p. 881-889, ISSN: 0956-5663, doi: 10.1016/S0956-5663(02)00214-2

2000 SUSMEL, Sabina, O'Sullivan CK, Guilbault GG (2000). Human cytomegalovirus detection by a quartz crystal microbalance immunosensor. ENZYME AND MICROBIAL TECHNOLOGY, vol. 27, p. 639-645, ISSN: 0141-0229, doi: 10.1016/S0141-0229(00)00196-4

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