



Andrea Brunelli

The undersigned Andrea Brunelli, pursuant to articles 46 and 47 of Presidential Decree 445/2000, aware of the penal sanctions provided for by article 76 of Presidential Decree 445/2000 and subsequent amendments and additions for the hypothesis of falsity in documents and false declarations, declares under his own responsibility

Education

- 08.02.2023–08.02.2033 **National Scientific Qualification 2021/2023 - Level 2 - Sector: 03/A1 Analytical Chemistry**, *Ministero dell'Università e della Ricerca*, Rome - Italy
- 21.12.2018 **State Exam for qualification to the profession of graduate agro-technician**, *Collegio degli Agrotecnici e degli Agrotecnici laureati*, Forlì - Italia
- 20.08.2010–13.12.2013 **PhD**, *Ca' Foscari University of Venice*, Venice - Italy, *Rating: Positive*
- Thesis: Advanced physico-chemical characterization of **engineered nanomaterials (ENM)** in nanotoxicology
 - 05/06.2013: Training on the dispersion protocols for ENM in environmental media - Voronezh State Academy of Forestry and Technologies, Russia
- 21.08.2007–14.12.2009 **Master degree**, *Ca' Foscari University of Venice*, Venice - Italy, *Rating: 106/110*
- Environmental Sciences - class 82/S - Thesis: Characterization of gaseous pollutants and fine particulate matter (PM_{2.5}) in a suburban industrial site in the Venetian area
- 29.08.2003–19.02.2007 **Bachelor degree**, *Ca' Foscari University of Venice*, Venice - Italy, *Rating: 97/110*
- Environmental Sciences - class 27 - Thesis: Management of Natura 2000 sites: Lombardia and Veneto in comparison
- 1998–2003 **Scientific high school**, *Liceo Scientifico sperimentale A. Calini*, Brescia - Italy, *Rating: 80/100*

Highlights

Project Manager → writing and managing of both international (EU FP-7 and H2020) and national projects on environmental exposure and risk assessment of **advanced materials (AdMa)** - SUNRISE, SUNSHINE, NanoFASE, NanoRestArt, SUN, ECONANOSORB, ENPRA, NanoHOUSE

Senior researcher → H-index: 19; citations: 1396; 30 papers peer-reviewed journals (updated on 27.12.2023 - www.scopus.com)

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Born in Brescia (IT) 07.12.1984 - Nationality: Italian

Environmental Scientist → expert in the **assessment of environmental exposure to pollutants**, especially **engineered nanomaterials**; knowledge of analytical methods for the identification and quantification of microplastics in complex matrices. Main **analytical techniques**: scattering techniques (DLS-ELS, CSA, Mastersizer); electron microscopy (TEM, SEM), spectroscopy techniques (EDX, FT-IR); ionic chromatography; mass and optical spectrometry (ICP-MS and ICP-OES); thermogravimetric analysis (TGA); specific surface area and porosity (BET method)

Expertise in the **characterization of atmospheric aerosol** and in the **statistical analysis** of experimental data, combining physico-chemical data, meteorological information and thermodynamic models

Knowledge in chemical safety & and risk assessment (**REACH, CLP**), environmental management and monitoring (**Rete Natura 2000**)

Work experience

- 01.06.2022-present **Tecnologo**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Investigation of the environmental exposure of multi-component nanomaterials
- Technical and administrative support activities for research activities relating to the identification, improvement and / or development of methodologies for the assessment of environmental exposure of multi-component nanomaterials used in consumer products
- 20.05.2020-19.05.2021 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Ecotoxicological assessment of the ultrafine fraction of the Venice lagoon
- Development of a methodology for the extraction and physico-chemical characterization of the fine particulate matter of the Venice lagoon sediment to conduct ecotoxicological tests for the purposes of environmental risk assessment
- 11.06.2019-present **Project consultant**, *Ca' Foscari University Foundation*, Italy
Evaluation of the dustiness raised by the mechanized sweeping activity in urban areas
- Development of a sampling protocol for the evaluation of the dustiness raised by street sweeping / statistical treatment of databases and experimental environmental data and critical analysis of the results obtained
- 05.11.2018–04.05.2019 **Senior laboratory technician**, *Venetian Cluster srl - Venice*, Italy
- Development of an analytical method for the determination and quantification of microplastics in complex matrices (water, food and drink, cosmetics, detergents)
 - Physico-chemical characterization of nano-based products
- 15.01.2018–30.06.2018 **Post-doctoral research fellow**, *University of Vienna - Department of Environmental Geosciences*, Austria
Engineered nanomaterials transformations in natural waters and sediments to support environmental exposure models
- Key processes investigated: dissolution, (hetero)agglomeration, attachment, sulfidation
- 21.11.2016–20.11.2017 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Physico-chemical characterization and environmental exposure assessment of NM
- Fate & behaviour of NM in aqueous matrices (homo- & hetero-agglomeration and sedimentation)
 - Effectiveness of NM-based products for the consolidation of stone in the context of cultural heritage

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- 20.11.2015–19.11.2016 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Physico-chemical characterization and environmental exposure assessment of NM
 - Surface functionalization of NM within a "Safe-by-Design" approach
- 12.11.2014–11.11.2015 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Physico-chemical characterization and environmental exposure assessment of NM
- 04.11.2013–03.11.2014 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Physico-chemical characterization and environmental exposure assessment of NM
- 02.11.2012–01.11.2013 **Post-doctoral research fellow**, *Ca' Foscari University of Venice - Department of Environmental Sciences, Informatics and Statistics*, Italy
Physico-chemical characterization and environmental exposure assessment of NM
- 09.04.2010–07.04.2011 **Specialist in environmental analysis and management**, *Consorzio Venezia Ricerche, Venice*, Italy
 - Application of the Life Cycle Assessment (LCA) methodology in the context of (i) waste management and disposal (PRIULA-CONTARINA consortium, Treviso, Italy); (ii) shoe production for API and TECNICA NORDICA; (iii) valve construction for Oil & Gas platforms for MIB ITALIANA
 - Characterization of excavated earth and rocks within the Via Vallenari bis project, in order to be able to reuse the excavated material in accordance with the DGRV 2424/08 of the Veneto Region
 - Research activity for the EU-FP7 NanoHOUSE project, investigating the potential environmental releases of engineered nanomaterials, used as additives in building coatings
- 02.2012-present **Tutor and co-supervisor of thesis in environmental sciences**
 - Co-supervisor of bachelor and master thesis on the characterization and properties of engineered nanomaterials dispersed in environmental and / or biological media
 - Tutor (30 hours) for the course "Fondamenti di Scienze della Terra e laboratorio" at the Ca' Foscari University of Venice (2012)

Languages

Italian	Mother tongue
English	Advanced user - C1
German	Basic user - A1

Digital skills

Independent user	L ^A T _E X, R, Origin, SPSS, SimaPro for LCA analysis, ArcGIS
Advanced user	Microsoft Windows, Mac OS X, Software for laboratory equipment (i.e. NPW388 for Nicomp 380 DLS, SEPView for LUMiSizer 651, OMNIC for FT-IR, Agilent ChemStation for chromatography)

Personal interests

- Sport → basketball, cycling, water polo, running, swimming, triathlon, soccer, tennis
- Music → bass and guitar
- Travelling and exploring the world

Organizational and management skills

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Born in Brescia (IT) 07.12.1984 - Nationality: Italian

- Co-deputy of WP8 (Transformations of NM in waters and sediments) within the H2020 NanoFASE project at the University of Vienna - Department of Environmental Geosciences
- Co-organizer of the: i) 18° International Conference of Chemistry and the Environment (ICCE), Venice (IT) 2023; ii) Nanosafety Training School: Towards Safe and Sustainable by Design Advanced (Nano)Materials, Venice (IT), 2022; iii) 2ª Scuola di Nanotecnologia Sostenibile, Venezia (IT), 2016; iv) International conference SUN-SNO-GUIDENANO, Venice (IT) 2015
- Able to prioritize, optimize work and problem-solving skills
- Excellent ability to interpret and communicate scientific data

Certificates

- 27.11.2019 Winner of the 2° prize for the *Interdisciplinary innovative laboratory* in collaboration with Fabbrica Italiana Sintetici S.p.A. (FIS) e Brenta S.r.l., Italy
- 16.04.2018–17.06.2018 Certificate with Distinction (98/100) in the SDG Academy online course "Feeding an Hungry Planet: Agriculture, Nutrition and Sustainability"
- 26.10.2017–17.06.2018 Training course in Europlanning - Funding opportunities, reference documents, project design, Ca' Foscari University of Venice

Scientific publications

- 2023 **Brunelli A**, Breda S, Scanferla P, Calgaro L, Marcomini A, Badetti A. *A methodology to assess a mobile urban street cleaning activity*. Atmospheric Pollution Research 14, 3, 101680
- 2022 Badetti A, **Brunelli A**, Faraggiana E, Kalman J, Bettiol C, Izzo FC, Navas JM, Marcomini A. *Cytotoxicity inhibition of catechol's type molecules by grafting on TiO2 and Fe2O3 nanoparticles surface*. Aquatic Toxicology, 251, 106291
- Brunelli A**, Foscari A, Basei, G, Lusvardi G, Bettiol C, Semenzin E, Marcomini A, Badetti E. *Colloidal stability classification of TiO2 nanoparticles in artificial and in natural waters by cluster analysis and a global stability index: Influence of standard and natural colloidal particles*. Science of The Total Environment 829, 154658
- Cazzagon V, Giubilato E, Pizzol L, Ravagli C, Doumet S, Baldi G, Blosi M, **Brunelli A**, Fito C, Huertas F, Marcomini A, Semenzin E. *Occupational risk of nano-biomaterials: Assessment of nano-enabled magnetite contrast agent using the BIORIMA Decision Support System*. Nanoimpact 25, 100373

- 2021 Badetti E, **Brunelli A**, Basei G, Gallego-Urrea JA, Stoll S, Walch H, Praetorius A, von der Kammer F, Marcomini A. *Novel multimethod approach for the determination of the colloidal stability of nanomaterials in complex environmental mixtures using a global stability index: TiO₂ as case study*. Science of The Total Environment 801, 149607
- Brunelli A**, Calgaro L, Semenzin E, Cazzagon V, Giubilato E, Marcomini A, Badetti E. *Leaching of nanoparticles from nano-enabled products for the protection of cultural heritage surfaces: a review*. Environmental Sciences Europe 33:48
- Gosens I, Costa PM, Olsson M, Stone V, Costa AL, **Brunelli A**, Badetti E, Bonetto A, Bokkers BGH, de Jong, WH, Williams A, Halappanavar S, Fadeel B, Cassee, FR. *Pulmonary toxicity and gene expression changes after short-term inhalation exposure to surface-modified copper oxide nanoparticles*. Nanolmpact 22, 100313
- 2020 Praetorius A, Badetti E, **Brunelli A**, Clavier A, Gallego-Urrea JA, Gondikas A, Hasselov M, Hofmann T, Mackevica A, Marcomini A, Peijnenburg W, Quik JTK, Seijo M, Stoll S, Tepe N, Walch H, Von der Kammer F. *Strategies for determining heteroaggregation attachment efficiencies of engineered nanoparticles in aquatic environments*. Environ Sci Nano, 7(2), 351–367
- 2019 Semenzin E, Giubilato E, Badetti E, Picone M, Volpi Ghirardini A, Hristozov D, **Brunelli A**, Marcomini A. *Guiding the development of sustainable nano-enabled products for the conservation of works of art: proposal for a framework implementing the Safe by Design concept*. Environ Sci Pollut Res 26, 26146-26158
- Krupskaya V, Novikova L, Tyupina E, Belousov P, Dorzhieva O, Zakusin S, Kim K, Roessner F, Badetti E, **Brunelli A**, Belchinskaya L. *The influence of acid modification on the structure of montmorillonites and surface properties of bentonites*. Appl Clay Sci 172, 1-10
- De Jong, WH, De Rijk E, Bonetto A, Wohlleben W, Stone V, **Brunelli A**, Badetti E, Marcomini A, Gosens I, Cassee FR. *Toxicity of copper oxide and basic copper carbonate nanoparticles after short-term oral exposure in rats*. Nanotoxicology, 13, 50–72

- 2018 Auguste M, Ciacci C, Balbi T, **Brunelli A**, Caratto V, Marcomini A, Cuppini R, Canesi L. *Effects of nanosilver on Mytilus galloprovincialis hemocytes and early embryo development*. Aquatic Toxicol 203, 107–116
- Brunelli A**, Badetti E, Basei G, Izzo FC, Hristozov D, Marcomini A. *Effects of organic modifiers on the colloidal stability of TiO₂ nanoparticles. A methodological approach for NPs categorization by multivariate statistical analysis*. NanolImpact, 9, 114–123
- Gheno G, Badetti E, **Brunelli A**, Ganzerla R, Marcomini A. *Consolidation of Vicenza, Arenaria and Istria stones: a comparison between nano-based products and acrylate derivatives*. J Cult Herit 32, 44–52
- Amorim M, Lin S, Schlich K, Navas J, **Brunelli A**, Neubauer N, Vilsmeier K, Costa A, Gondikas A, Xia T, Galbis L, Badetti E, Marcomini A, Hristozov D, von der Kammer F, Hund-Rinke K, Scott Fordsmand J, Nel A, Wohlleben W. *Environmental impacts by fragments released from nano enabled products? A multi-assay, multi-material exploration by “the SUN approach”*. Environ Sci Technol, Vol 52, 1514-1524
- 2017 Ortelli S, Costa AL, Blosi M, **Brunelli A**, Badetti E, Bonetto A, Hristozov D, Marcomini A. *Colloidal characterization of CuO nanoparticles in biological and environmental media*. Environ Sci: Nano, 4, 1264-1272
- 2016 Hristozov D, Gottardo S, Semenzin E, Oomen A, Bos P, Peijnenburg W, van Tongeren M, Nowack B, Hunt N, **Brunelli A**, Scott-Fordsmand J, Tran L, Marcomini A. *Frameworks and tools for risk assessment of manufactured nano-materials*. Environ Int, 95:36-53
- Gosens I, Cassee FR, Zanella M, Manodori L, **Brunelli A**, Costa AL, Bokkers BG, de Jong WH, Brown D, Hristozov D, Stone V. *Organ burden and pulmonary toxicity of nano-sized copper (II) oxide particles after short-term inhalation exposure*. Nanotoxicology, 2:1-12
- Brunelli A**, Zabeo A, Semenzin E, Hristozov D, Marcomini A. *Extrapolated long-term stability of titanium dioxide nanoparticles and multi-walled carbon nanotubes in artificial freshwater*. J Nanopart Res, 18:113
- Pang C, **Brunelli A**, Zhu C, Hristozov D, Liu Y, Semenzin E, Wang, W, Tao W, Liang J, Marcomini A, Chen C, Zhao B. *Demonstrating approaches to chemically modify the surface of Ag nanoparticles in order to influence their cytotoxicity and biodistribution after single dose acute intravenous administration*. Nanotoxicology, 12:1-11
- 2015 Pinsino A, Russo R, Bonaventura R, **Brunelli A**, Marcomini A, Matranga V. *Titanium dioxide nanoparticles stimulate sea urchin immune cell phagocytic activity involving TLR/p38 MAPK mediated signalling pathway*. Sci Rep 5, 14492

- 2014 Della Torre M, Buonocore F, Frenzilli G, Corsolini S, **Brunelli A**, Guidi P, Kocan A, Mariottini M, Mottola F, Nigro M, Pozo K, Randelli E, Vannuccini ML, Picchietti S, Santonastaso M, Scarcelli V, Focardi S, Marcomini A, Rocco L, Scapigliati G, Corsi C. *Influence of titanium dioxide nanoparticles on 2,3,7,8-tetrachlorodibenzo-p-dioxin bioconcentration and toxicity in the marine fish European sea bass (*Dicentrarchus labrax*)*. Environ Poll, 196:185-193
- Munari M, Sturve J, Frenzilli G, Sanders MB, **Brunelli A**, Marcomini A, Nigro M, Lyons BP. *Genotoxic effects of CdS quantum dots and Ag₂S nanoparticles in fish cell lines (RTG-2)* Mutation Research/Genetic Toxicology and Environmental Mutagenesis. Mutation Research, 775- 776:89- 93
- Balbi T, Smerilli A, Fabbri R, Ciacci C, Montagna M, Grasselli E, **Brunelli A**, Pojana G, Marcomini A, Gallo G, Canesi L. *Co-exposure to n-TiO₂ and Cd²⁺ results in interactive effects on biomarker responses but not in increased toxicity in the marine bivalve *M. galloprovincialis**. Sci Total Environ, 493:355-364
- Frenzilli G, Bernardeschi M, Guidi P, Scarcelli V, Lucchesi P, Marsili L, Fossi MC, **Brunelli A**, Pojana G, Marcomini A, Nigro M. *Effects of in vitro exposure to titanium dioxide on DNA integrity of bottlenose dolphin (*Tursiops truncatus*) fibroblasts and leukocytes*. Marine Environ Res, 100:68- 73
- 2013 **Brunelli A**, Pojana G, Callegaro S, Marcomini A. *Agglomeration and sedimentation of titanium dioxide nanoparticles (n-TiO₂) in synthetic and real waters*. J Nanopart Res, 15:1684
- Gaiser BK, Hirn S, Kermanizadeh A, Kanase N, Fytianos K, Wenk A, Haberl N, **Brunelli A**, Kreyling WG, Stone V. *Effects of silver nanoparticles on the liver and hepatocytes in vitro*. Toxicol Sci, 131:537–547
- Hougaard KS, Jackson P, Kyjovska ZO, Birkedal RK, De Temmerman P-J RH, **Brunelli A**, Verleysen E, Mette Madsen A, Saber AT, Pojana G, Mast J, Marcomini A, Jensen KA, Wallin H, Szarek J, Mortensen A, Vogel U. *Effects of exposure to carbon nanotubes on female fertility and fetal development. A study in mice*. Repr Toxicol, 41:86-97
- Squizzato S, Masiol M, **Brunelli A**, Pistollato S, Tarabotti E, Rampazzo G, Pavoni B. *Factors determining the formation of secondary inorganic aerosol: a case study in the Po Valley (Italy)*. Atmos Chem Phys, 13:1927–1939
- Zuin S, Scanferla P, **Brunelli A**, Marcomini A, Wong JE, Wennekes W, Genné I. *Layer-by-layer deposition of titanium dioxide nanoparticles on polymeric membranes: A Life Cycle Assessment study*. Ind Eng Chem Res, 52:13979-13990

Invitation to join Scientific Committee

- 2023 Member of the Scientific Committee for the 11° International Conference on Nanotoxicology – NanoTox 2024, 23.09.2024-25.09.2024, Venice, Italy

Oral communications

- 2023 **Brunelli A**, Salgado C, Reinoso JJ, Fernández JF, Serrano-Lotina A, Bañares MA, Hristozov D, Bonetto A, Marcomini M, Badetti E. *Accelerated weathering of nano-based food packaging material: investigation of potential migration into a food simulant* - 20° Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali, 28.09.2023-01.10.2023, Ischia, Italy

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- Brunelli A**, Breda S, Scanferla P, Calgaro L, Marcomini M, Badetti E. *Assessing a mobile urban street cleaning activity* - 18° International Conference on Chemistry and the Environment (ICCE), 11.06.2023-15.06.2023, Venice, Italy
- Brunelli A**, Salgado C, Reinoso JJ, Fernández JF, Serrano-Lotina A, Bañares MA, Hristozov D, Bonetto A, Marcomini M, Badetti E. *Investigation on the potential migration of multicomponent nanomaterials into food simulants from food packaging* - 18° International Conference on Chemistry and the Environment, 11.06.2023-15.06.2023, Venice, Italy
- Brunelli A**, Semenzin E. *Microplastiche derivanti dal settore tessile* - 7° Edizione del Forum Compraverde Veneto, 07.06.2023-08.06.2023, Venice, Italy
- 2022 **Brunelli A**, Braakhuis H, Cazzagon V, Bosb Y, Ruijter N, Vandebriel R, Tendero ML, Balbuena J, Marcomini A, Badetti E. *Influence of dispersion protocols on multicomponent nanomaterials properties and toxicity in the context of safe by design approach* - 8° Congresso Europeo di Chimica (EuChemS), 28.08.2022-01.09.2022, Lisbon, Portugal
- Brunelli A**, Braakhuis H, Cazzagon V, Bosb Y, Ruijter N, Vandebriel R, Tendero ML, Balbuena J, Marcomini A, Badetti E. *How different dispersion protocols and cell culture conditions can influence the multicomponent nanomaterials properties and in vitro toxicity results* - 19° Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali, 20-23.06.2022, Turin, Italy
- What they are? physical-chemical identity - Intrinsic properties - **Invited speaker*** - Nanosafety Training School: Towards Safe and Sustainable by Design Advanced (Nano)Materials, 15-20.05.2022, Venice, Italy
- 2021 **Brunelli A**, Breda S, Tinello A, Barbon L, Cremona P, Scanferla P, Badetti E, Marcomini A. *Sperimentazione di un approccio integrato per la valutazione dei potenziali impatti sulla qualità dell'aria e sulla salute dei cittadini durante le attività di pulizia stradale in area urbana* - 24° edizione di Ecomondo, 26-29.10.202, Rimini, Italy
- Brunelli A**, Foscari A, Basei G, Lusvardi G, Bettiol C, Semenzin E, Marcomini A, Badetti E. *Colloidal behaviour of TiO₂ NPs in artificial and in Venice lagoon waters in the presence of standard or natural colloidal particles* - 27° Congresso nazionale della Società Chimica Italiana, 14-23.09.2021, online
- 2019 **Brunelli A**. *PM₁₀ - buone e cattive pratiche* - Convengo pubblico presso il Palazzo della Loggia, Noale, 14.11.2019, Venice, Italy
- Brunelli A**. *Il valore aggiunto delle nanotecnologie alla nutraceutica* - 26° Congresso nazionale dell'Associazione Urologi italiani, 17.05.2019, Bologna, Italy
- 2019 **Brunelli A**. *Microplastiche: cosa sono, da dove vengono, come si determinano, potenziali rischi e possibili soluzioni*, Liceo scientifico Benedetti, 23.03.2019, Venice, Italy
- Brunelli A**. *Che aria tira a Venezia?*, Conferenza Legambiente, 17.02.2019, Venice, Italy
- 2019 **Brunelli A**. *Applicazione delle nanotecnologie negli imballaggi* - 4° Conferenza: materiali compostabili barriera, redazione di COM.PACK, 25.01.2019, Milan, Italy
- 2017 **Brunelli A**, Badetti E, Basei G, Marcomini A. *Colloidal Stability assessment of TiO₂ nanoparticles. A combination of analytical techniques and principal component analysis* - 16° Conferenza internazionale di chimica e dell'ambiente (ICCE), 18-22.06.2017, Oslo, Norway

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- Brunelli A**, Zabeo A, Semenzin, Hristozov D, Marcomini A. *Extrapolated long-term stability of titanium dioxide nanoparticles and multi-walled carbon nanotubes in artificial freshwater* - 26° Conferenza annuale europea della società di tossicologia ambientale e chimica (SETAC), 22-26.05.2016, Nantes, France
- Brunelli A**, Zabeo A, Semenzin, Hristozov D, Marcomini A. *Chronic exposure to engineered nanomaterials - sedimentation kinetics by Centrifugal Separation Analysis (CSA)* - 15° Conferenza della società chimica europea - divisione di chimica e dell'ambiente (ICCE), 20-24.09.2015, Leipzig, Germany
- Brunelli A**, Zabeo A, Semenzin, Hristozov D, Marcomini A. *Sedimentation kinetics of Titanium dioxide nanoparticles (TiO₂) and Multi-walled carbon nanotubes in artificial freshwater by Centrifugal Separation Analysis (CSA) LUMi-Sizer 651* - 15° Congresso nazionale di Chimica dell'ambiente e dei Beni Culturali, 14-18.06.2015, Bergamo, Italy
- 2013 **Brunelli A**. *Primary and secondary characterization of engineered nanoparticles for exposure, effects and risk assessment in the environment* - Workshop Nanotechnologies and food safety, Istituto Zooprofilattico delle Venezie, 21.11.2013, Legnaro, Padua, Italy
- Brunelli A**, Pojana G, Marcomini A. *Dispersion of engineered nanoparticles in liquid media* - Training at the Voronezh State Academy of Forestry and Technologies, 28.05.2013, Voronezh, Russia
- 2012 **Brunelli A**, Pojana G, Marcomini A. *Agglomeration and sedimentation of titanium dioxide nanoparticles (n-TiO₂) in synthetic and real waters* - 13° Congresso nazionale di Chimica dell'ambiente e dei Beni Culturali, 10-14.09.2012, Taranto, Italy

Poster 1° author

- 2022 **Brunelli A**, Marchetto D, Bettiol C, Volpi Ghirardini A, Semenzin E, Marcomini A. *Ecotoxicity Assessment of the finer fraction of the resuspended lagoon sediment* - Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali, 20.23.06.2022, Turin, Italy
- 2017 **Brunelli A**, Badetti E, Bonetto A, Hristozov D, Neubauer N, Hopf A, Wendel W, Marcomini A. *Colloidal characterization of nano-sized pigments in (eco)toxicological media* - New Tools and Approaches for Nanomaterials Safety Assessment 07-09.02.2017, Malaga, Spain
- 2016 **Brunelli A**, Badetti E, Marcomini A, Nowack B, Navratilova J, Gondikas A, von der Kammer F, Neubauer N, Hopf A, Wohlleben W, Hristozov D. *Release from nanocomposite materials in an ecotoxicological medium* - 6° EuChemS Chemistry Congress, 11-15.09.2016, Seville, Spain
- Brunelli A**, Badetti E, Basei G, Zabeo A, Marcomini A, Gheno G, Ganzerla R. *On the stability of colloidal calcium hydroxide nanoparticles dispersions for stone conservation* - 16° Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali, 26-29.06.2016, Lecce, Italy
- Brunelli A**, Zabeo A, Semenzin E, Hristozov D, Badetti E, Bonetto A, Marcomini A. *Extrapolated long-term stability of titanium dioxide nanoparticles and multi-walled carbon nanotubes in artificial freshwater* - European-Winter School on Physical Organic Chemistry (E-WiSPOC) 31.01.2016 - 05.02.2016, Brixen, Italy

- 2015 **Brunelli A**, Marcomini A. *Stability of P25 TiO₂ and Nanocyl™ NC7000 Multi-walled carbon nanotubes in artificial freshwater for ecotoxicity using LU-MiSizer 651: preliminary results* - SUN-SNO-GUIDENANO Sustainable Nanotechnology Conference, 09-11.03.2015, Venice, Italy
- 2014 **Brunelli A**, Buosi A, Bragato C, Sfriso A, Daniele S, Marcomini A. *Effects of silver engineered nanoparticles to the adriatic sea Rhodophyceae *Centroceras clavatum* (C. Agardh) Montagne (Preliminary Data)* - Società Italiana di Biologia Marina (SIBM), 19-23.05.2014, Venice, Italy
- Brunelli A**, Buosi A, Bragato C, Sfriso A, Daniele S, Marcomini A. *Ecotoxicity of silver engineered nanoparticles on marine macroalgae* - 25^o Congresso della Società Chimica Italiana (SCI), 07-12.09.2014, Rende, Italy
- 2013 **Brunelli A**, Pojana G, Bilanicova D, Marcomini A. *From basic to advanced characterization of engineered nanoparticles (ENP): the NanoTest project* - International Conference on Chemistry and the Environment (ICCE), 25-28.05.2013, Oslo, Norway
- Brunelli A**, Pojana G, Visin F, Rampazzo G, Marcomini A. *Determination of ENMs in biological samples by microwave-assisted digestion and Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)* - Society of Environmental Toxicology and Chemistry (SETAC), 12-16.05.2013, Glasgow, UK
- 2012 **Brunelli A**, Zuin S, Gaiani M, Ferrari A, Cervellati D, Pojana G, Marcomini A, Tardif F. *Leaching of nanoparticles from paints under controlled test conditions* - Society of Environmental Toxicology and Chemistry (SETAC), 20-24.05.2012, Berlin, Germany
- 2011 **Brunelli A**, Zuin S, Ferrari A, Cervellati D, Pojana G, Marcomini A, Tardif F. *A proposed protocol for estimating the potential release of nanoparticles from nano-based coatings: the NANOHOUSE project* - Society of Environmental Toxicology and Chemistry (SETAC), 15-19.05.2011, Milan, Italy