EUROPEAN CURRICULUM VITAE

PERSONAL INFORMATION

Name	**BERTOLDO MONICA**
Address	**DEPARTMENT OF CHEMICAL, PHARMACEUTICAL AND AGRICULTURAL SCIENCES (DOCPAS),**

WORK EXPERIENCE

• Dates (from - to)	1/12/2019 -
• Name ad address of the employer	University of Ferrara, Ferrara, Italy
• Occupation or position held	**Associated professor of Industrial Chemistry**
• Main activities and responsibilities	Leader of the sustainable-polymers research group
• Dates (from - to)	1/06/2018 – 30/12/2019-
• Name and address of the employer	Institute of Organic Synthesis and Photoreactivity (ISOF) – National Research Council (CNR), Bologna, Italy
• Occupation or position held	**Researcher**
• Main activities and responsibilities	Leader of projects on materials for food packaging application
• Dates (from - to)	01/06/2010 – 31/05/2018-
• Name ad address of the employer	Institute of Chemical and Physical Processes (IPCF) – National Research Council (CNR), Pisa, Italy
• Occupation or position held	Researcher
• Main activities and responsibilities	Leader of projects on biobased polymers for food packaging and textiles applications.
• Dates (from - to)	15/04/2007 – 31/05/2010
• Name ad address of the employer	National Institute for the Physics of Matter (INFM) c/o Department of Chemistry and Industrial Chemistry, University of Pisa, Pisa, Italy
• Occupation or position held	Researcher
• Main activities and responsibilities	Group member. Research on materials for electronic and food packaging applications.
• Dates (from - to)	18/02/2002 – 14/04/207
• Name ad address of the employer	National Institute for the Physics of Matter (INFM) – National Research Council (CNR), c/o Department of Chemistry and Industrial Chemistry, University of Pisa, Pisa, Italy Pisa, Italy
• Occupation or position held	Research fellow (assegnista)
• Main activities and responsibilities	Group member. Research on polymer from fossil and renewable resources

EDUCATION AND TRAINING

• Name and type of organisation providing education and training	Scuola Normale Superiore di Pisa, Pisa, Italy

• Principal subjects/occupational skills covered	Migration of contaminants from polyolefin intended for food packaging applications
• Title of qualification awarded	Perfezionamento in Material Science
• Level in national or international classification (if relevant)	Ph.D
• Name and type of organisation providing education and training	University of Ferrara, Ferrara, Italy
• Principal subjects/occupational skills covered	Synthesis and photophysical properties of binuclear complexes of Ru(II)
• Title of qualification awarded	Master's degree in chemistry
• Level in national or international classification (if relevant)	-

ADDITIONAL INFORMATION

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Patents

-1 Italian extended to EU
-2 Italian pending issues, 1 extended to EU

Publications

total number of publications in peer-review journals 74 (Scopus)
total number of citations: 1225
H index: 22

Recent Selected publications

Buoso, S.; Belletti, G.; Ragno, D.; Castelvetro, V.; Bertoldo, M., Rheological response of polylactic acid dispersions in water with xanthan gum, (2022) ACS Omega,, 7 (15), pp. 12536 - 12548,

Schifino G., Gasparini C., Drudi S., Giannelli M., Sotgiu G., Posati T., Zamboni R., Treossi E., Maccaferri E., Giorgini L., Mazzarro R., Morandi V., Palermo V., Bertoldo M., Aluigi A. Keratin/Polylactic acid/graphene oxide composite nanofibers for drug delivery (2022) International Journal of Pharmaceutics, 623, art. no. 121888,

Ragno D., Di Carmine G., Vannini M., Bortolini O., Perrone D., Buoso S., Bertoldo M., Massi A., Organocatalytic Synthesis of Poly(hydroxymethylfuroate) via Ring-Opening Polymerization of 5-Hydroxymethylfurfural-Based Cyclic Oligoesters, (2022) Polymer Chemistry, 13(10), pp. 1350–1358.

Belletti, G., Buoso, S., Ricci, L., Guillem-Ortiz, A., Aragón-Gutiérrez, A., Bortolini, O., Bertoldo, M. Preparations of poly(Lactic acid) dispersions in water for coating applications, (2021) Polymers, 13 (16), art. no. 2767.

Cocchi M., Bertoldo M., Seri M., Maccagnani P., Summonte C., Buoso S., Belletti G., Dinelli F., Capelli R. Fully Recyclable OLEDs Built on a Flexible Biopolymer Substrate, (2021) ACS Sustainable Chemistry and Engineering, 9 (38), pp. 12733 – 12737.

Ragno, D., Brandolese, A., Di Carmine, G., Buoso, S., Belletti, G., Leonardi, C., Bortolini, O., Bertoldo, M., Massi, A. Exploring Oxidative NHC-Catalysis as Organocatalytic Polymerization Strategy towards Polyamide Oligomers, (2021) Chemistry - A European Journal, 27 (5), pp. 1839-1848.

Ragno, D., Di Carmine, G., Brandolese, A., Bortolini, O., Giovannini, P.P., Fantin, G., Bertoldo, M., Massi, A. Oxidative NHC-Catalysis as Organocatalytic Platform for the Synthesis of Polyester Oligomers by Step-Growth Polymerization, (2019) Chemistry - A European Journal, 25 (64), pp. 14701-14710.

Sanzari I., Buratti E., Huang R., Tusan C.G., Dinelli F., Evans N.D., Prodromakis T., Bertoldo M. Poly(N-isopropylacrylamide) based thin microgel films for use in cell culture applications, (2020) Scientific Reports, 10 (1), art. no. 6126

Maccagnani P., Bertoldo M., Dinelli F., Murgia M., Summonte C., Ortolani L., Pizzochero G., Verucchi R., Collini C., Capelli R. Flexible conductors from brown algae for green electronics, (2019) Advanced Sustainable Systems, 3 (6), art. no. 1900001

Zanatta M., Tavagnacco L., Buratti E., Bertoldo M., Natali F., Chiessi E., Orecchini A., Zaccarelli E., Evidence of a low-temperature dynamical transition in concentrated microgels, (2018) Science Advances, 4 (9), art. no. aat5895

Ricci, L., Umiltà, E., Righetti, M.C., Messina, T., Zurlini, C., Montanari, A., Bronco, S., Bertoldo, M. On the thermal behavior of protein isolated from different legumes investigated by DSC and TGA, (2018) Journal of the Science of Food and Agriculture, 98 (14), pp. 5368-5377.

Barsi, D., Borsacchi, S., Calucci, L., Tarantino, A., Pinzino, C., Bertoldo, M. Tuning the functionalization degree of amylose and amylopectin with photochromic spiropyran by CuAAc reaction, (2017) Polymer, 120, pp. 82-93.

Bertoldo, M., Coltelli, M.-B., Messina, T., Bronco, S., Castelvetro, V. Emulsion Blending Approach for the Preparation of Gelatin/Poly(butylene succinate-co-adipate) Films, (2016) ACS Biomaterials Science and Engineering, 2 (4), pp. 677-686.

Major role in Projects

Sherpack, H2020-BBI-JU grant n. 286250; starting/ending dates: 06/2017-11/2020: Role: partner and WP leader

BioWool, POR-FESR Toscana 2014-2020 – call n 2. Grant n. 300648; starting/ending dates: 09/2015-08/2018: Role - scientific coordinator

EcoReLabel, POR-FESR Toscana 2014-2020 – call n 1. Grant. 170028. Starting/ending dates:09/2018-02/2019. Role WP leaded

Teaching activities at university level

2021-	Biomateriali, University of Ferrara, Italy, L-2, Biotecnologie Mediche
2019-	Moderni Sviluppi nella caratterizzazione strutturale di Materiali Organici e Polimerici, University of Ferrara, Italy, LM-54 Scienze Chimiche
2020-	Chimica dei polimeri, University of Ferrara, Italy, LM-54 Chemcal Sciences
2015 – 2018	Tecnologia dei Materiali Polimerici, University of Pisa, Italy, L-27 Chimica per l'Industria e l'ambiente
2012 – 2012	Laboratorio di Chimica Organica I, University of Pisa, Italy. L-27 Chimica per l'Industria e l'ambiente

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV