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Dr. Adrián Matencio Durán (Murcia, Spain 1992) was graduated in Biotechnology by the University of Murcia where he obtained his Ph.D 2020, being a PostDoc in the Department of Chemistry of the University of Turin from 2020. Their works have been focused on developing and studying novel applications and materials of starch-based materials for the molecular encapsulation and the use of bioactive compounds and drugs.

Publication Metrics

For manuscripts published from date range June 2015 - June 2023

16	667
H-index	Sum of Times Cited
46	46
Publications	Web of Science Core Collection

For all time

16	667
H-index	Sum of Times Cited
46	46
Publications	Web of Science Core Collection

Publications

For manuscripts published from date range June 2015 - June 2023 (46)

Times Cited
(All time)

Developing New Cyclodextrin-Based Nanosponges Complexes to Improve Vitamin D Absorption in an In Vitro Study Published: Mar 2023 in International Journal of Molecular Sciences DOI: 10.3390/IJMS24065322	0
Oral supplementation of solvent-free kynurenic acid/cyclodextrin nanosponges complexes increased its bioavailability Published: Feb 2023 in Colloids and Surfaces B: Biointerfaces DOI: 10.1016/J.COLSURFB.2022.113101	1
Nisin delivery by nanosponges increases its anticancer activity against in-vivo melanoma model Published: Jan 2023 in Journal of Drug Delivery Science and Technology DOI: 10.1016/J.JDDST.2022.104065	1
Hyper-Branched Cyclodextrin-Based Polymers as Anticoagulant Agents: In Vitro and In Vivo Studies Published: Dec 2022 in Bioengineering DOI: 10.3390/BIOENGINEERING9120765	0
Hyper-Branched Cationic Cyclodextrin Polymers for Improving Plasmid Transfection in 2D and 3D Spheroid Cells Published: Dec 2022 in Pharmaceutics DOI: 10.3390/PHARMACEUTICS14122690	0
Molecular encapsulation and bioactivity of gnetol, a resveratrol analogue, for use in foods Published: Aug 2022 in Journal of the Science of Food and Agriculture DOI: 10.1002/JSFA.11781	2
Dextrin-Based Nanohydrogels for Rokitamycin Prolonged Topical Delivery Published: Aug 2022 in Gels DOI: 10.3390/GELS8080490	0
Folate-Targeted Curcumin-Loaded Niosomes for Site-Specific Delivery in Breast Cancer Treatment: In Silico and In Vitro Study Published: Jul 2022 in Molecules DOI: 10.3390/MOLECULES27144634	17
The use of cyclodextrins as solubility enhancers in the ORAC method may cause interference in the measurement of antioxidant activity Published: Jun 2022 in Talanta DOI: 10.1016/J.TALANTA.2022.123336	4
Development if healthy milk and yogurt products for reducing metabolic diseases using cyclodextrin and omega-3 fatty acids from fish oil Published: May 2022 in Food & Function DOI: 10.1039/D2FO00578F	2
Developing Novel Hydroxypropyl-beta-Cyclodextrin-Based Nanosponges as Carriers for Anticancer Hydrophobic Agents: Overcoming Limitations of Host-Guest Complexes in a Comparative Evaluation Published: May 2022 in Pharmaceutics DOI: 10.3390/PHARMACEUTICS14051059	2

Nutraceutical Concepts and Dextrin-Based Delivery Systems Published: Apr 2022 in International Journal of Molecular Sciences DOI: 10.3390/IJMS23084102	8
Cyclodextrin-Based Nanosponges as Perse Antimicrobial Agents Increase the Activity of Natural Antimicrobial Peptide Nisin Published: Mar 2022 in Pharmaceutics DOI: 10.3390/PHARMACEUTICS14030685	5
Stilbenes: Characterization, bioactivity, encapsulation and structural modifications. A review of their current limitations and promising approaches Published: Mar 2022 in Critical Reviews in Food Science and Nutrition DOI: 10.1080/10408398.2022.2045558	4
Magnetic Composites of Dextrin-Based Carbonate Nanosponges and Iron Oxide Nanoparticles with Potential Application in Targeted Drug Delivery Published: Mar 2022 in Nanomaterials DOI: 10.3390/NANO12050754	10
Stabilization and Anticancer Enhancing Activity of the Peptide Nisin by Cyclodextrin-Based Nanosponges against Colon and Breast Cancer Cells Published: Feb 2022 in Polymers DOI: 10.3390/POLYM14030594	11
Advances and Classification of Cyclodextrin-Based Polymers for Food-Related Issues Published: Dec 2021 in Polymers DOI: 10.3390/POLYM13234226	8
Resveratrol and cyclodextrins, an easy alliance: Applications in nanomedicine, green chemistry and biotechnology Published: Dec 2021 in Biotechnology Advances DOI: 10.1016/J.BIOTECHADV.2021.107844	16
Cyclodextrins as Anti-inflammatory Agents: Basis, Drugs and Perspectives Published: Sep 2021 in Biomolecules DOI: 10.3390/BIOM11091384	8
A physicochemical, thermodynamical, structural and computational evaluation of kynurenic acid/cyclodextrin complexes Published: Sep 2021 in Food Chemistry DOI: 10.1016/J.FOODCHEM.2021.129639	8
Cyclodextrin Monomers and Polymers for Drug Activity Enhancement Published: Jun 2021 in Polymers DOI: 10.3390/POLYM13111684	17
Cyclodextrin nanosponges as adsorbent material to remove hazardous pollutants from water: The case of ciprofloxacin Published: May 2021 in Chemical Engineering Journal DOI: 10.1016/J.CEJ.2021.128514	52

Study of the fluorescence and interaction between cyclodextrins and neochlorogenic acid, in comparison with chlorogenic acid Published: Feb 2021 in Scientific Reports DOI: 10.1038/S41598-021-82915-9	9
Nanoparticles of betalamic acid derivatives with cyclodextrins. Physicochemistry, production characterization and stability Published: Jan 2021 in Food Hydrocolloids DOI: 10.1016/J.FOODHYD.2020.106176	9
Lifespan extension in Caenorhabditis elegans by oxyresveratrol supplementation in hyper-branched cyclodextrin-based nanosponges Published: Nov 2020 in International Journal of Pharmaceutics DOI: 10.1016/J.IJPHARM.2020.119862	10
Applications of cyclodextrins in food science. A review Published: Oct 2020 in Trends in Food Science & Technology DOI: 10.1016/J.TIFS.2020.08.009	90
Cyclic Oligosaccharides as Active Drugs, an Updated Review Published: Oct 2020 in Pharmaceutics DOI: 10.3390/PH13100281	15
Characterization of Resveratrol, Oxyresveratrol, Piceatannol and Roflumilast as Modulators of Phosphodiesterase Activity. Study of Yeast Lifespan Published: Sep 2020 in Pharmaceutics DOI: 10.3390/PH13090225	5
Recent advances in the treatment of Niemann pick disease type C: A mini-review Published: Jun 2020 in International Journal of Pharmaceutics DOI: 10.1016/J.IJPHARM.2020.119440	22
Study of oxyresveratrol complexes with insoluble cyclodextrin based nanosponges: Developing a novel way to obtain their complexation constants and application in an anticancer study Published: Mar 2020 in Carbohydrate Polymers DOI: 10.1016/J.CARBPOL.2019.115763	34
Evaluation of juice and milk "food models" fortified with oxyresveratrol and beta-Cyclodextrin Published: Jan 2020 in Food Hydrocolloids DOI: 10.1016/J.FOODHYD.2019.105250	21
Comparative Evaluation of Solubility, Cytotoxicity and Photostability Studies of Resveratrol and Oxyresveratrol Loaded Nanosponges Published: Oct 2019 in Pharmaceutics DOI: 10.3390/PHARMACEUTICS11100545	43
Nanoencapsulation as fluorescence enhancer of vitamin L1 (anthranilic acid). An exhaustive study Published: Jun 2019 in Food Hydrocolloids DOI: 10.1016/J.FOODHYD.2019.01.008	3

<p>A Way to Increase the Bioaccessibility and Photostability of Roflumilast, a COPD Treatment, by Cyclodextrin Monomers</p> <p>Published: May 2019 in Polymers</p> <p>DOI: 10.3390/POLYM11050801</p>	14
<p>Evaluation of the properties of the essential oil citronellal nanoencapsulated by cyclodextrins</p> <p>Published: Mar 2019 in Chemistry and Physics of Lipids</p> <p>DOI: 10.1016/J.CHEMPHYSLIP.2019.02.001</p>	20
<p>An improved "ion pairing agent free" HPLC-RP method for testing cAMP Phosphodiesterase activity</p> <p>Published: Jan 2019 in Talanta</p> <p>DOI: 10.1016/J.TALANTA.2018.09.058</p>	3
<p>Application of a simple methodology to analyze Hydroxypropyl-beta-Cyclodextrin in urine using HPLC-LS in early Niemann-Pick disease type C patient</p> <p>Published: Sep 2018 in Journal of Chromatography B</p> <p>DOI: 10.1016/J.JCHROMB.2018.06.051</p>	6
<p>Ellagic acid-borax fluorescence interaction: application for novel cyclodextrin-borax nanosensors for analyzing ellagic acid in food samples</p> <p>Published: Jul 2018 in Food & Function</p> <p>DOI: 10.1039/C8FO00906F</p>	17
<p>The inclusion complex of oxyresveratrol in modified cyclodextrins: A thermodynamic, structural, physicochemical, fluorescent and computational study</p> <p>Published: Oct 2017 in Food Chemistry</p> <p>DOI: 10.1016/J.FOODCHEM.2017.04.027</p>	33
<p>Comparative Study of the Antioxidant Capacity of Four Stilbenes Using ORAC, ABTS(+), and FRAP Techniques</p> <p>Published: Sep 2017 in Food Analytical Methods</p> <p>DOI: 10.1007/S12161-017-0871-9</p>	48
<p>Separating and Identifying the Four Stereoisomers of Methyl Jasmonate by RP-HPLC and using Cyclodextrins in a Novel Way</p> <p>Published: May 2017 in Phytochemical Analysis</p> <p>DOI: 10.1002/PCA.2654</p>	13
<p>Aggregation of t10,c12 conjugated linoleic Acid in presence of natural and modified cyclodextrins. A physicochemical, thermal and computational analysis</p> <p>Published: Apr 2017 in Chemistry and Physics of Lipids</p> <p>DOI: 10.1016/J.CHEMPHYSLIP.2017.03.008</p>	11
<p>Physicochemical, thermal and computational study of the encapsulation of rumenic acid by natural and modified cyclodextrins</p> <p>Published: Feb 2017 in Food Chemistry</p> <p>DOI: 10.1016/J.FOODCHEM.2016.08.023</p>	17

<p>An integral study of cyclodextrins as solubility enhancers of alpha-methylstilbene, a resveratrol analogue</p> <p>Published: Jan 2017 in Food & Function</p> <p>DOI: 10.1039/C6FO01677D</p>	16
<p>Encapsulation of piceatannol, a naturally occurring hydroxylated analogue of resveratrol, by natural and modified cyclodextrins</p> <p>Published: May 2016 in Food & Function</p> <p>DOI: 10.1039/C6FO00557H</p>	32
<p>A novel HPLC-LS method to analyze Hydroxypropyl-beta-Cyclodextrin in urine. Application to child with Niemann Pick disease, type C</p> <p>Published: May 2016 in New Biotechnology</p> <p>DOI: 10.1016/J.NBT.2015.10.011</p>	0

Verified reviews

22 REVIEWS OF 14 MANUSCRIPTS

For manuscripts published from date range June 2015 - June 2023

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Reviewed for Pharmaceuticals
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Reviewed for Polymers
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Reviewed for Polymers
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Reviewed for Antioxidants
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Reviewed for Symmetry
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Reviewed for Pharmaceuticals
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Reviewed for Pharmaceuticals
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Reviewed for Drug Development and Industrial Pharmacy
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Reviewed for Polymers
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Reviewed for Crystals
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Reviewed for Pharmaceuticals
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Reviewed for Pharmaceuticals

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Reviewed for Molecules

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Reviewed for Foods
