

PUBLICATIONS

Chiara Dal Bosco

A) Papers published in scientific SCI journals

- [1] AUTHORS: G. D’Orazio, A. Gentili, S. Fanali, C. Fanali, C. Dal Bosco*.
TITLE: Innovative solutions for the extraction of vitamins from pharmaceutical and biological samples.
JOURNAL: *Current Analytical Chemistry* 17 (2021) 1114-1132.
- [2] AUTHORS: I. Silvestro, C. Ciarlantini, I. Francolini, P. Tomai, A. Gentili, C. Dal Bosco, A. Piozzi.
TITLE: Chitosan–graphene oxide composite membranes for solid-phase extraction of pesticides.
JOURNAL: *International Journal of Molecular Sciences* 22 (2021) 8374.
- [3] AUTHORS: C. Dal Bosco, V. Di Lisio, P. D’Angelo, A. Gentili.
TITLE: Hydrophobic eutectic solvent with antioxidant properties: application for the dispersive liquid–liquid microextraction of fat-soluble micronutrients from fruit juices.
JOURNAL: *ACS Sustainable Chemistry & Engineering* 24 (2021) 8170- 8178.
- [4] AUTHORS: V. Gallo, P. Tomai, V. Di Lisio, C. Dal Bosco, P. D’Angelo, C. Fanali, G. D’Orazio, I. Silvestro, Y. Picò, A. Gentili.
TITLE: Application of a low transition temperature mixture for the dispersive liquid-liquid microextraction of illicit drugs from urine samples.
JOURNAL: *Molecules* 26 (2021) 5222.
- [5] AUTHORS: G. D’Orazio, C. Fanali, C. Dal Bosco, A. Gentili, S. Fanali.
TITLE: Chiral separation and analysis of antifungal drugs by chromatographic and electromigration techniques: Results achieved in 2010–2020.
JOURNAL: *Reviews in Analytical Chemistry* 40 (2021) 220-252.
- [6] AUTHORS: V. Spinelli, A. Ceci, C. Dal Bosco, A. Gentili, A. M. Persiani.
TITLE: Glyphosate-eating fungi: study on fungal saprotrophic strains’ ability to tolerate and utilise glyphosate as a nutritional source and on the ability of *Purpureocillium lilacinum* to degrade it.
JOURNAL: *Microorganisms* 9 (2021) 2179.
- [7] AUTHORS: E. Brasili, I. Bavasso, V. Petruccelli, G. Vilardi, A. Valletta, C. Dal Bosco, A. Gentili, G. Pasqua, L. Di Palma.
TITLE: Remediation of hexavalent chromium contaminated water through zero- valent iron nanoparticles and effects on tomato plant growth performance.
JOURNAL: *Scientific Reports* 10 (2020) 1920.
- [8] AUTHORS: L. Chronopoulou, C. Dal Bosco, F. Di Caprio, L. Prosini, A. Gentili, F. Pagnanelli, C. Palocci.
TITLE: Extraction of Carotenoids and Fat-Soluble Vitamins from *Tetrademus Obliquus* Microalgae: An Optimized Approach by Using Supercritical CO₂.
JOURNAL: *Molecules* 24 (2019) 2581.
- [9] AUTHORS: C. Dal Bosco, S. Panero, M. A. Navarra, P. Tomai, R. Curini, A. Gentili.
TITLE: Screening and assessment of low molecular weight biomarkers of milk from cow and water buffalo: an alternative approach for the rapid identification of adulterated water buffalo mozzarellas.
JOURNAL: *Journal of Agricultural and Food chemistry* 66 (2018) 5410-5417.
- [10] AUTHORS: S. Rocchi, F. Caretti, L. Mainero Rocca, V. Pérez-Fernández, P. Tomai, C. Dal Bosco, R. Curini, A. Gentili.
TITLE: Sub-critical water extraction of thyreostats from bovine muscle tissue followed by liquid chromatography-tandem mass spectrometry.
JOURNAL: *Food Additives and Contaminants part A* 35 (2018) 1472-1483.
- [11] AUTHORS: A. Gentili, C. Dal Bosco, S. Fanali, C. Fanali.
TITLE: Large-scale profiling of carotenoids by using non aqueous reversed phase liquid chromatography – photodiode array detection – triple quadrupole linear ion trap mass spectrometry: Application to some varieties of sweet pepper (*Capsicum annuum* L.).
JOURNAL: *Journal of Pharmaceutical and Biomedical Analysis* 164 (2019) 759-767.
- [12] AUTHORS: M.A. Navarra, C. Dal Bosco, J. Serra Moreno, F.M. Vitucci, A. Paolone, S. Panero.
TITLE: Synthesis and characterization of cellulose-based hydrogels to be used as gel electrolytes.
JOURNAL: *Membranes* 5 (2015) 810-823.

B) International Book Chapters

- [1] AUTHORS: C. Dal Bosco, A. Gentili.
TITLE: Vitamins: Clinical, Pharmaceutical, and Biological Analysis.
BOOK: Reference Module in Chemistry, Molecular Sciences and Chemical Engineering.
YEAR OF PUBLICATION: 2018
EDITORS: Colin F. Poole, Paul Worsfold, Alan Townshend and Manuel Miro.
PUBLISHER: Elsevier Inc.
Pages: <https://doi.org/10.1016/B978-0-12-409547-2.14028-4>