

Meet the Editorial Board Member

Marcello Locatelli

Department of Pharmacy
University "G. d' Annunzio"
of Chieti-Pescara, Chieti
Italy

The research activity is devoted to the development and validation of chromatographic methods for the qualitative and quantitative determination of biologically active molecules in complex matrices from human and animal (whole blood, serum, plasma, bile, tissues, feces, and urine), cosmetics, foods, and environmental.

It provides, to the study of all processes related to pre-analytical stages such as sampling, extraction and purification, separation, enrichment, even the application of conventional and hyphenated analytical methods for the accurate, sensitive and selective determination of biologically active molecules. Recently, particular attention is focused on innovative (micro) extraction procedures like MEPS, FPSE, MIP, DLLME, and SULLE.

These procedures have been applied to different compounds of synthetic and natural origin (glucosamine, 5-amino-salicylic acid, natural or synthetic bile acids, anti-inflammatory, drugs association and fluoroquinolones, secondary metabolites from natural sources, heavy metals).

In the development of the method are tested also, predictive models and chemometric both for the optimization of extraction protocols and for final data processing. Particular attention is given to the new instrument configurations for the quantitative analysis in the complex matrix.

He contributed more than update: 229 manuscripts, more than 200 oral and poster communications, 1 patent subjected to approval, 17 book chapters, 7 books, and is a guest editor for more than 18 special issues attested scientific activity scopus on 29th of May 2023: h index 45; 214 papers; 6140 citations.

Besides, he is also a reviewer of the following international journals: *Analytica Chimica Acta*, *Current Bioactive Compounds*, *Journal of Chromatography A*, *Talanta*, *Trends in Analytical Chemistry* (and many others).

He's a referee for MIUR Institution for National Projects (SIR), and is included in the register REPRIS (Register of Expert Peer Reviewers for Italian Scientific Evaluation) in the "Basic Research" section. He is also a referee for VQR 2011-2014. He's also a referee for other universities of proposals through competitive tenders for the allocation of University funds for the activation of research grants (Università degli Studi dell'Insubria 2016, Università degli Studi di Firenze 2017). He's member of the Editorial Board of the journals "Molecules" section "Analytical Chemistry" (MDPI, ISSN 1420-3049), "Current Bioactive Compounds" (Bentham Science Publisher, ISSN: 1875-6646 Online, ISSN: 1573-4072 Print), "American Journal of Modern Chromatography" (Columbia International Publishing, ISSN: 2374-5479 Online), "Journal of Selcuk University Science Faculty" (ISSN: 2458-9411), "Review in Separation Sciences" (eISSN: 2589-1677). He is Associate Editor of the Journal "Frontiers in Pharmacology" section "Ethnopharmacology" (ISSN: 1663-9812). He is also a member of the Scientific Committee of the journal "Science and Research", published by the Italian Association of the Book.



Marcello Locatelli

SELECTED PUBLICATIONS

- [1] Locatelli, M.; Kabir, A.; Innosa, D.; Lopatriello, T.; Furton, K.G. A fabric phase sorptive extraction-High performance liquid chromatography-Photodiode array detection method for the determination of twelve azole antimicrobial drug residues in human plasma and urine. *J. Chromatogr. B Analyt. Technol. Biomed. Life Sci.*, **2017**, *1040*, 192-198.
- [2] Locatelli, M.; Sciascia, F.; Cifelli, R.; Malatesta, L.; Bruni, P.; Croce, F. Analytical methods for the endocrine disruptor compounds determination in environmental water samples. *J. Chromatogr. A*, **2016**, *1434*, 1-18.
- [3] Locatelli, M.; Ciavarella, M.T.; Paolino, D.; Celia, C.; Fiscarelli, E.; Ricciotti, G.; Pompilio, A.; Di Bonaventura, G.; Grande, R.; Zengin, G.; Di Marzio, L. Determination of ciprofloxacin and levofloxacin in human sputum collected from cystic fibrosis patients using microextraction by packed sorbent-high performance liquid chromatography photodiode array detector. *J. Chromatogr. A*, **2015**, *1419*, 58-66.
- [4] Locatelli, M.; Cifelli, R.; Di Legge, C.; Barbacane, R.C.; Costa, N.; Fresta, M.; Celia, C.; Capolupo, C.; Di Marzio, L. Simultaneous determination of eperisone hydrochloride and paracetamol in mouse plasma by high performance liquid chromatography-photodiode array detector. *J. Chromatogr. A*, **2015**, *1388*, 79-86.
- [5] Genovese, S.; Epifano, F.; Carlucci, G.; Marcotullio, M.C.; Curini, M.; Locatelli, M. Quantification of 4'-geranyloxyferulic acid, a new natural colon cancer chemopreventive agent, by HPLC-DAD in grapefruit skin extract. *J. Pharm. Biomed. Anal.*, **2010**, *53*(2), 212-214.
- [6] Mollica, A.; Locatelli, M.; Macedonio, G.; Carradori, S.; Sobolev, A.P.; De Salvador, R.F.; Monti, S.M.; Buonanno, M.; Zengin, G.; Angeli, A.; Supuran, C.T. Microwave-assisted extraction, HPLC analysis, and inhibitory effects on carbonic anhydrase I, II, VA, and VII isoforms of 14 blueberry Italian cultivars. *J. Enzyme Inhib. Med. Chem.*, **2016**, *31*(sup4), 1-6.
- [7] Locatelli, M.; Epifano, F.; Genovese, S.; Carlucci, G.; Končić, M.Z.; Kosalec, I.; Kremer, D. Anthraquinone profile, antioxidant and antimicrobial properties of bark extracts of *Rhamnus catharticus* and *R. orbiculatus*. *Nat. Prod. Commun.*, **2011**, *6*(9), 1275-1280.
- [8] Zengin, G.; Menghini, L.; Malatesta, L.; De Luca, E.; Bellagamba, G.; Uysal, S.; Aktumsek, A.; Locatelli, M. Comparative study of biological activities and multicomponent pattern of two wild Turkish species: *Asphodeline anatolica* and *Potentilla speciosa*. *J. Enzyme Inhib. Med. Chem.*, **2016**, *31*(sup1), 203-208.
- [9] Locatelli, M.; Zengin, G.; Uysal, A.; Carradori, S.; De Luca, E.; Bellagamba, G.; Aktumsek, A.; Lazarova, I. Multicomponent pattern and biological activities of seven *Asphodeline* taxa: Potential sources of natural-functional ingredients for bioactive formulations. *J. Enz. Inhib. Med. Chem.*, **2017**, *32*(1), 60-67.
- [10] Locatelli, C.; Melucci, D.; Locatelli, M. Toxic metals in herbal medicines. A review. *Curr. Bioact. Compd.*, **2014**, *10*(3), 181-188.