

Meet Our Editorial Board Member

Marcello Locatelli

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Dr. Marcello Locatelli earned his degree in Chemistry from the University of Bologna, Department of Chemistry "G. Ciamician" with a thesis on the "Development of an analytical methodology for the analysis and identification of protein adducts by mass spectrometry". Earned his Ph.D. from the University of Bologna, Department of Chemistry "G. Ciamician" with a thesis on the "Combined analytical methods of mass spectrometry for the study of impurities in drugs and metabolites of biomolecules". Actually, he is a Confirmed Researcher in the Analytical Chemistry at the University "G. d'Annunzio" of Chieti-Pescara, Department of Pharmacy.



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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 environment.

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, from synthetic and natural origin (glucosamine, 5-aminosalicylic 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 a complex matrix.

Dr. Locatelli (h-index: 35) has published more than 150 manuscripts, 116 congress communications, 9 book chapters and 2 books, and guest edited 9 special issues. Besides, he is a reviewer of the following international journals: *Analytica Chimica Acta*, *Current Bioactive Compounds*, *Journal of Chromatography A*, *Talanta*, *Trends in Analytical Chemistry* (more than 100 International peer-reviewed Journals). He is a referee for MIUR Institution for National Projects (SIR), and included in the register REPRISE (Register of Expert Peer Reviewers for Italian Scientific Evaluation) in the "Basic Research" section. The referee for VQR 2011-2014. He is 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 is Editorial Board member of the journal "Molecules" section "Analytical Chemistry" (MDPI, ISSN 1420-3049), "Current Analytical Chemistry" (Bentham Science Publisher, ISSN: 1875-6727 Online, ISSN: 1573-4110 Print), "Separations" (MDPI, ISSN 2297-8739), "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), "Cumhuriyet Science Journal" (ISSN 2587-2680; e-ISSN 2587-246X). He is Associate Editor of the magazine "Frontiers in Pharmacology" section "Ethnopharmacology" (ISSN: 1663-9812), Review Editor of the journal "Frontiers in Oncology" section "Pharmacology for anti-cancer drugs" (ISSN: 2234-943X), and Review Editor of the journal "Frontiers in Medical Technology" section "Nano-Based Drug Delivery" (ISSN: 2296-858X). He is a member of the Scientific Committee of the journal "Scienze e Ricerche" (ISSN 2283-5873), published by the Italian Book Association.

ADDITIONAL TITLES

- Member of the Italian Chemical Society (SCI, card number 13779);
- Member of the American Chemical Society (ACS, card number 30617260),
- Member of the Italian Society of Toxicology (Sitox),
- Member of the Italian Society of Phytochemistry (SIF).

SELECTED PUBLICATIONS

- [1] “FPSE-HPLC-PDA analysis of seven paraben residues in human whole blood, plasma, and urine”; A. Tartaglia, A. Kabir, S. Ulusoy, E. Sperandio, S. Piccolantonio, H.I. Ulusoy, K.G. Furton, M. Locatelli, *Journal Of Chromatography B* (ISSN: 1570-0232), 1125, article 121707, 1-10, 2019. DOI: 10.1016/j.jchromb.2019.06.034; codice
- [2] “An FPSE-HPLC-PDA method for rapid determination of solar UV filters in human whole blood, plasma and urine”; M. Locatelli, K.G. Furton, A. Tartaglia, E. Sperandio, H.I. Ulusoy, A. Kabir, *Journal Of Chromatography B* (ISSN: 1570-0232), 1118-1119, 40-50, 2019. DOI: 10.1016/j.jchromb.2019.04.028;
- [3] “Comparison between Exhaustive and Equilibrium Extraction using different SPE Sorbents and Sol-gel Carbowax 20M Coated FPSE Media”; A. Tartaglia, M. Locatelli, A. Kabir, K.G. Furton, D. Macerola, E. Sperandio, S. Piccolantonio, H.I. Ulusoy, F. Maroni, P. Bruni, F. Croce, V. Samanidou, *Molecules* (ISSN 1420-3049), 24(3), article 382, 1-16, 2019. DOI: 10.3390/molecules24030382;
- [4] “FPSE-HPLC-DAD metod for the quantification of anticancer drugs in human whole blood, plasma and urine”; M. Locatelli, N. Tinari, A. Grassadonia, A. Tartaglia, D. Macerola, S. Piccolantonio, E. Sperandio, C. D’Ovidio, S. Carradori, H.I. Ulusoy, K.G. Furton, A. Kabir, *Journal Of Chromatography B* (ISSN: 1570-0232), 1095, 204-213, 2018. DOI: 10.1016/j.jchromb.2018.07.042;
- [5] “Fabric Phase Sorptive Extraction-High Performance Liquid Chromatography-Photo Diode Array Detection Method for Simultaneous Monitoring of Three Inflammatory Bowel Disease Treatment Drugs in Whole Blood, Plasma and Urine”; A. Kabir, K.G. Furton, N. Tinari, L. Grossi, D. Innosa, D. Macerola, A. Tartaglia, V. Di Donato, C. D’Ovidio, M. Locatelli, *Journal Of Chromatography B* (ISSN: 1570-0232), 1084, 53-63, 2018. DOI: 10.1016/j.jchromb.2018.03.028;
- [6] “A Fabric Phase Sorptive Extraction-High Performance Liquid Chromatography-Photo Diode Array Detection Method for the Determination of Twelve Azole Antimicrobial Drug Residues in Human Plasma and Urine”; M. Locatelli, A. Kabir, D. Innosa, T. Lopatriello, K.G. Furton, *Journal Of Chromatography B* (ISSN: 1570-0232), 1040, 192-198, 2017. DOI: 10.1016/j.jchromb.2016.10.045;
- [7] “Analytical methods for the endocrine disruptor compounds determination in environmental water samples”; M. Locatelli, F. Sciascia, R. Cifelli, L. Malatesta, P. Bruni, F. Croce, *Journal of Chromatography A* (ISSN: 0021-9673), 1434, 1-18, 2016. DOI: 10.1016/j.chroma.2016.01.034;
- [8] “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”; M. Locatelli, M.T. Ciavarella, D. Paolino, C. Celia, E. Fiscarelli, G. Ricciotti, A. Pompilio, G. Di Bonaventura, R. Grande, G. Zengin, L. Di Marzio, *Journal of Chromatography A* (ISSN: 0021-9673), 1419, 58-66, 2015. DOI: 10.1016/j.chroma.2015.09.075;
- [9] Simultaneous determination of Eperisone Hydrochloride and Paracetamol in mouse plasma by High Performance Liquid Chromatography-PhotoDiode Array Detector”; M. Locatelli, R. Cifelli, C. Di Legge, R.C. Barbacane, N. Costa, M. Fresta, C. Celia, C. Capolupo, L. Di Marzio, *Journal of Chromatography A* (ISSN: 0021-9673), 1388, 79-86, 2015. DOI: 10.1016/j.chroma.2015.02.008;
- [10] “MicroExtraction by Packed Sorbent and HPLC determination of seven non-steroidal anti-inflammatory drugs in human plasma and urine”; M. Locatelli, V. Ferrone, R. Cifelli, R.C. Barbacane, G. Carlucci, *Journal of Chromatography A* (ISSN: 0021-9673), 1367, 1-8, 2014. DOI: 10.1016/j.chroma.2014.09.034;
- [11] M. Locatelli, C. Celia “Analytical Chemistry: Developments, Applications and Challenges in food analysis”, NOVA SCIENCE PUBLISHERS, INC. 400 Oser Avenue, Suite 1600 Hauppauge, NY 11788-3619 USA, 2017 – 3rd Quarter, 392 pp, ISBN-10: 153612267X; ISBN-13: 978-1536122671. Codice SCOPUS: 2-s2.0-85034983743.