



1. *Determination of antibiotics in meat samples using analytical methodologies: A review.* Moga, A., Vergara-Barberán, M., Lerma-García, M.J., Carrasco-Correa, E.J., Herrero-Martínez, J.M., Simó-Alfonso, E.F. (2021) *Comprehensive Reviews in Food Science and Food Safety*, 20 (2), pp. 1681-1716. doi.org/10.1111/1541-4337.12702.
2. *Hazardous compounds in recreational and urban recycled surfaces made from crumb rubber. Compliance with current regulation and future perspectives.* Celeiro, M., Armada, D., Dagnac, T., de Boer, J., Llompart, M. (2021) *Science of the Total Environment*, 755, art. no. 142566. doi.org/10.1016/j.scitotenv.2020.142566
3. *Microscale extraction versus conventional approaches for handling gastrointestinal extracts in oral bioaccessibility assays of endocrine disrupting compounds from microplastic contaminated beach sand.* Trujillo-Rodríguez, M.J., Gomila, R.M., Martorell, G., Miró, M. (2021) *Environmental Pollution*, 272, 115992. doi.org/10.1016/j.envpol.2020.115992
4. *Clean-up techniques in the pressurized liquid extraction of abiotic environmental solid samples.* Fontanals, N., Pocurull, E., Borrull, F., Marcé, R.M. (2021) *Trends in Environmental Analytical Chemistry*, 29, art. no. e00111. doi.org/10.1016/j.teac.2020.e00111
5. *Evaluation of chemicals of environmental concern in crumb rubber and water leachates from several types of synthetic turf football pitches.* Celeiro, M., Armada, D., Ratola, N., Dagnac, T., de Boer, J., Llompart, M. (2021) *Chemosphere*, 270, 128610. doi.org/10.1016/j.chemosphere.2020.128610
6. *Zeolitic imidazolate framework-8 decorated with gold nanoparticles for solid-phase extraction of neonicotinoids in agricultural samples.* Martínez-Pérez-Cejuela H., Pravcová K., Česlová L., Simó-Alfonso E.F., Herrero-Martínez J.M. *Microchimica Acta*, 188, 2021, article number 197. doi.org/10.1007/s00604-021-04872-4
7. *Synergistic combination of polyamide-coated paper-based sorptive phase for the extraction of antibiotics in saliva.* Benedé, J.L., Chisvert, A., Lucena, R., Cárdenas, S. (2021) *Analytica Chimica Acta*, 1164, 338512. doi.org/10.1016/j.aca.2021.338512
8. *Miniaturized active air sampling method for the analysis of tire rubber pollutants from indoor and outdoor places.* Armada, D., Celeiro, M., Martínez-Fernández, A., Nurerk, P., Dagnac, T., Llompart, M. (2021) *Journal of Separation Science*, 44(8), 1694-1705. doi.org/10.1002/jssc.202001249
9. *Optimization of a miniaturized solid-phase microextraction method followed by gas chromatography mass spectrometry for the determination of twenty four volatile and*



- semivolatile compounds in honey from Galicia (NW Spain) and foreign countries.* Vazquez, L., Celeiro, M., Sergazina, M., Dagnac, T., Llupart, M. (2021) *Sustainable Chemistry and Pharmacy*, 100451. doi.org/10.1016/j.scp.2021.100451
10. *Fundamentals and applications of stir bar sorptive dispersive microextraction: A tutorial review.* Vázquez-Gomis, V., Grau, J., Benedé, J.L., Giokas, D.L., Chisvert, A., Salvador, A. (2021) *Analytica Chimica Acta*, 1153, 338271. doi.org/10.1016/j.aca.2021.338271
 11. *Recent Advances in Sample Preparation for Cosmetics and Personal Care Products Analysis.* Celeiro, M., Garcia-Jares, C., Llupart, M., Lores, M. *Molecules*, 26, 2021, 4900. doi.org/10.3390/molecules26164900
 12. *Polydopamine-coated magnetic nanoparticles for the determination of nitro musks in environmental water samples by stir bar sorptive-dispersive microextraction.* Grau, J., Benedé, J.L., Chisvert, A. (2021) *Talanta*, 231, 122375. doi.org/10.1016/j.talanta.2021.122375
 13. *An automatic flow-through system for exploration of the human bioaccessibility of endocrine disrupting compounds from microplastics.* Sixto, A., El-Morabit, B., Trujillo-Rodríguez, M.J., Carrasco-Correa, E.J., Miró, M. *Analyst*, 2021. doi.org/10.1039/D1AN00446H
 14. *MSIS-MP-AES determination of As and Sb in complex matrices by magnetic nanoparticles-assisted hydride generation.* Kmetov, V.; Kiryakova, M.; Varbanova, E.; Simitchiev, K.; Canals, A. *Analytical Methods*. 13, 1172 – 1180 (2021). doi.org/10.1039/D0AY02260H
 15. *Modified magnetic-based solvent-assisted dispersive solid-microextraction: application to the determination of cortisol and cortisone in human saliva.* Grau, J., Benedé, L., Chisvert, A., Salvador, A. *Journal of Chromatography A*, 1652, 2021, 462361. doi.org/10.1016/j.chroma.2021.462361
 16. *A natural deep eutectic solvent as a novel dispersive solvent in dispersive liquid-liquid microextraction based on solidification of floating organic droplet for the determination of pesticide residues.* Carbonell-Rozas, L., Canales, R., Lara, F.J., García-Campaña, A.M., Silva, M.F. *Analytical and Bioanalytical Chemistry*, 413, 2021, 6413-6424. [10.1007/s00216-021-03605-z](https://doi.org/10.1007/s00216-021-03605-z)
 17. *Chitosan biofilms: Insights for the selective electromembrane extraction of fluoroquinolones from biological samples.* Román-Hidalgo, C., Aranda-Merino, N., López-Pérez, G., Sánchez-Coronilla, A., Villar-Navarro, M., Martín-Valero, M.J. *Analytica Chimica Acta*, 1179, 2021, 338832. [10.1016/j.aca.2021.338832](https://doi.org/10.1016/j.aca.2021.338832)



18. *Carbon fibers as green and sustainable sorbent for the extraction of isoflavones from environmental waters.* Benedé, J.L., Chisvert, A., Lucena, R., Cárdenas, S. *Talanta*, 233, 2021, 122582. doi.org/10.1016/j.talanta.2021.122582
19. *A microfluidic liquid phase microextraction method for drugs and parabens monitoring in human urine.* Dowlatshah, S., Saraji, M., Fernández-Torres, R., Ramos-Payán, M. *Microchemical Journal*, 169, 2021, 106577. doi.org/10.1016/j.microc.2021.106577
20. *Simple and efficient method for the determination of fipronil and two main metabolites in eggs by capillary liquid chromatography.* Aparicio-Muriana, M.M., Jirková, T., Lara, F.J., García-Campaña, A.M. *Microchemical Journal*, 169, 2021, 106595. doi.org/10.1016/j.microc.2021.106595
21. *Dispersive liquid-liquid microextraction based on deep eutectic solvent for elemental impurities determination in oral and parenteral drugs by inductively coupled plasma optical emission spectrometry.* Pinheiro, F.C., Aguirre, M.A., Nóbrega, J.A., González-Gallardo, N., Ramón, D.J., Canals, A. *Analytica Chimica Acta*, 1185, 2021, 339052. doi.org/10.1016/j.aca.2021.339052
22. *Determination of the main ergot alkaloids and their epimers in oat-based functional foods by ultra-high performance liquid chromatography tandem mass spectrometry.* Carbonell-Rozas, L., Gámiz-Gracia, L., Lara, F.J., García-Campaña, A.M. *Molecules*, 26, 2021, 3717. doi.org/10.3390/molecules26123717
23. *Green molecularly imprinted polymers for sustainable sample preparation.* Martín-Esteban, A. *Journal of Separation Sciences*. doi.org/10.1002/jssc.202100581
24. *Wooden-based materials: Eco-friendly materials for direct mass spectrometric analysis and microextraction.* Millán-Santiago, J., Lucena, R., Cárdenas, S. *Journal of Separation Sciences*. doi.org/10.1002/jssc.202100660