

PUBBLICAZIONI DOTTORANDI XXXI CICLO
“SCIENZE DEL SUOLO E DEGLI ALIMENTI”

Bonfrate Leonide

Bonfrate, L., Di Palo, D.M., Celano, G., Albert, A., Vitellio, P., De Angelis, M., Gobbetti, M., Portincasa, P. (2020). Effects of *Bifidobacterium longum* BB536 and *Lactobacillus rhamnosus* HN001 in IBS patients. European Journal of Clinical Investigation, 50 (3), art. no. e13201. DOI: 10.1111/eci.13201

Rizzello, C.G., Portincasa, P., Montemurro, M., di Palo, D.M., Lorusso, M.P., de Angelis, M., **Bonfrate, L.**, Genot, B., Gobbetti, M. (2019). Sourdough fermented breads are more digestible than those started with baker's yeast alone: An in vivo challenge dissecting distinct gastrointestinal responses. Nutrients, 11 (12), art. no. 2954. DOI: 10.3390/nu11122954

Arellano-Orden, E., Bacopoulou, F., Baicus, C., **Bonfrate, L.**, Broadbent, J., Buechler, C., Carbone, F., Charmandari, E., Davis, G.R., Dullaart, R.P.F., Efthymiou, V., Goeser, F., Goswami, N., Jong, G.-P., Lichtenauer, M., Liou, Y.-S., Lutz, P., Maeng, M., Mert, G.Ö., Mert, K.U., Montecucco, F., Ndreppepa, G., Olesen, K.K.W., Oliveira, P., Perton, F.G., Portincasa, P., Rodriguez-Panadero, F., Schernthaner, C., Schutte, R. (2019). Research update for articles published in EJCI in 2017. European Journal of Clinical Investigation, 49 (10), art. no. e13163. DOI: 10.1111/eci.13163

Vitellio, P., Celano, G., **Bonfrate, L.**, Gobbetti, M., Portincasa, P., De Angelis, M. (2019). Effects of *bifidobacterium longum* and *lactobacillus rhamnosus* gut microbiota in patients with lactose intolerance and persisting functional gastrointestinal symptoms: A randomised, double-blind, cross-over study. Nutrients, 11 (4), art. no. 886. DOI: 10.3390/nu11040886

Di Ciaula, A., Molina-Molina, E., **Bonfrate, L.**, Wang, D.Q.H., Dumitrascu, D.L., Portincasa, P. (2019). Gastrointestinal defects in gallstone and cholecystectomized patients. European Journal of Clinical Investigation, 49 (3), art. no. e13066. DOI: 10.1111/eci.13066

De Angelis, M., Garruti, G., Minervini, F., **Bonfrate, L.**, Portincasa, P., Gobbetti, M. (2019). The food-gut human axis: The effects of diet on gut microbiota and metabolome. Current Medicinal Chemistry, 26 (19), pp. 3567-3583. DOI: 10.2174/092986732466170428103848

Molina-Molina, E., **Bonfrate, L.**, Lorusso, M., Shanmugam, H., Scaccianoce, G., Rokkas, T., Portincasa, P. (2019). Faster detection of *helicobacter pylori* infection by ¹³c-urea breath test. Comparing short versus standard sampling time. Journal of Gastrointestinal and Liver Diseases, 28 (2), pp. 157-161. DOI: 10.15403/jgld-175

Di Ciaula, A., Garruti, G., Baccetto, R.L., Molina-Molina, E., **Bonfrate, L.**, Wang, D.Q.-H., Portincasa, P. (2017). Bile acid physiology. Annals of Hepatology, 16, pp. s4-s14. DOI: 10.5604/01.3001.0010.5493

Bonfrate, L., Scaccianoce, G., Palasciano, G., Ben-Chetrit, E., Portincasa, P. (2017). A novel cluster of patients with Familial Mediterranean Fever (FMF) in southern Italy. European Journal of Clinical Investigation, 47 (9), pp. 622-629. DOI: 10.1111/eci.12783

Di Ciaula, A., Scaccianoce, G., Venerito, M., Zullo, A., **Bonfrate, L.**, Rokkas, T., Portincasa, P. (2017). Eradication rates in Italian subjects heterogeneously managed for *Helicobacter pylori* infection. Time to abandon empiric treatments in Southern Europe. Journal of Gastrointestinal and Liver Diseases, 26 (2), pp. 129-137. DOI: 10.15403/jgld.2014.1121.262.itl

Bellini, M., Usai-Satta, P., Bove, A., Bocchini, R., Galeazzi, F., Battaglia, E., Alduini, P., Buscarini, E., Bassotti, G., Balzano, A., Portincasa, P., **Bonfrate, L.**, D'Alba, L., Badiali, D., Marchi, S., Gambaccini, D., Neri, M.C., Muscatiello, N., Di Stefano, M., Giannelli, C., Goffredo, F., Turco, L., Camilleri, S., Ceccarelli, G., Iovino, P., Montalbano, L.M., Morreale, G.C., Rentini, S., Savarino, V., Segato, S., Manfredi, G., Cannizzaro, R., Passaretti, S., Alessandri, M., Corti, F., Cuomo, R., Zito, F.P., Mellone, C., Barbera, R., Milazzo, G., Pucciani, F., Soncini, M., Lai, M.A., Ruggeri, M., Savarese, M.F., De Bona, M., Surrenti, E., Arini, A., Dinelli, M., Leandro, G., Peralta, S., Manta, R., Quartini, M., Torresan, F., Vilardo, L., Pulvirenti D'Urso, A., Tarantino, O., Noris, R.A., Monica, F., Carrara, M., Losco, A., Lauri, A., Neri, M., Grassini, M. (2017). Chronic constipation diagnosis and treatment evaluation: The "CHRO.CO.DI.T.E." study. *BMC Gastroenterology*, 17 (1), art. no. 11. DOI: 10.1186/s12876-016-0556-7

Portincasa, P., **Bonfrate, L.**, De Bari, O., Lembo, A., Ballou, S. (2017). Irritable bowel syndrome and diet. *Gastroenterology Report*, 5 (1), pp. 11-19. DOI: 10.1093/gastro/gow047

Portincasa, P., **Bonfrate, L.**, Scribano, M.L., Kohn, A., Caporaso, N., Festi, D., Campanale, M.C., Di Rienzo, T., Guarino, M., Taddia, M., Fogli, M.V., Grimaldi, M., Gasbarrini, A. (2016). Curcumin and fennel essential oil improve symptoms and quality of life in patients with irritable bowel syndrome. *Journal of Gastrointestinal and Liver Diseases*, 25 (2), pp. 151-157.

Procino, G., Portincasa, P., Mastrofrancesco, L., Castorani, L., **Bonfrate, L.**, Addabbo, F., Carmosino, M., Di Ciaula, A., Svelto, M. (2016). Simvastatin increases AQP2 urinary excretion in hypercholesterolemic patients: A pleiotropic effect of interest for patients with impaired AQP2 trafficking. *Clinical Pharmacology and Therapeutics*, 99 (5), pp. 528-537. DOI: 10.1002/cpt.305

Liebe, R., Milkiewicz, P., Krawczyk, M., **Bonfrate, L.**, Portincasa, P., Krawczyk, M. (2015). Modifiable factors and genetic predisposition associated with gallbladder cancer. A concise review. *Journal of Gastrointestinal and Liver Diseases*, 24 (3), pp. 339-348.
DOI: 10.15403/jgld.2014.1121.243.lib

Neri, L., Conway, P.M., Basilisco, G., Altomare, D.F., Annese, V., Badiali, D., Bassotti, G., Battaglia, E., Bazzocchi, G., Bellini, M., Bendia, E., Benini, L., Biscaglia, G., Biviano, I., Bocchini, R., **Bonfrate, L.**, Bonventre, S., Bossa, F., Brandimarte, G., Cannizzaro, R., Cicala, M., Cipolletta, L., Clara, V., Cogliandro, R., Comandini, G., Corazziari, E., Crotta, S., Cuomo, R., D'Alba, L., De Giorgi, F., Del Piano, M., Di Fonzo, M., Di Mario, F., Di Stefano, M., D'Onofrio, V., Efthymakis, K., Fiore, P., Fortuna, M., Fries, W., Gaetani, E., Galeazzi, F., Gasbarrini, A., Geccherle, A., Giangregorio, F., Girardi, L., Grassini, M., Groppo, M., Guarneri, G., Iovino, P., Lo Cascio, M., Lolli, R., Lizza, F., Macarri, G., Marino, M., Miraglia, S., Monastra, S., Neri, M.C., Neri, M., Noris, R.A., Orselli, S., Passaretti, S., Paviotti, A., Pazzi, P., Pilotto, A., Portincasa, P., Ranaldo, N., Ravelli, P., Rogai, F., Sablich, R., Savarino, V., Spinzi, G., Stanghellini, V., Tammaro, L., Torresan, F., Usai Satta, P., Valle, C. (2015). Confirmatory factor analysis of the Patient Assessment of Constipation-Symptoms (PAC-SYM) among patients with chronic constipation. *Quality of Life Research*, 24 (7), pp. 1597-1605. DOI: 10.1007/s11136-014-0886-2

Rotelli, M.T., Di Lena, M., Cavallini, A., Lippolis, C., **Bonfrate, L.**, Chetta, N., Portincasa, P., Altomare, D.F. (2015). Fecal microRNA profile in patients with colorectal carcinoma before and after curative surgery. *International Journal of Colorectal Disease*, 30 (7), pp. 891-898.
DOI: 10.1007/s00384-015-2248-0

Bonfrate, L., Grattagliano, I., Palasciano, G., Portincasa, P. (2015). Dynamic carbon 13 breath tests for the study of liver function and gastric emptying. *Gastroenterology Report*, 3 (1), pp. 12-21.
DOI: 10.1093/gastro/gou068

Bonfrate, L., Procino, G., Wang, D.Q.-H., Svelto, M., Portincasa, P. (2015). A novel therapeutic effect of statins on nephrogenic diabetes insipidus. *Journal of Cellular and Molecular Medicine*, 19 (2), pp. 265-282. DOI: 10.1111/jcmm.12422

Grattagliano, I., **Bonfrate, L.**, Lorusso, M., Castorani, L., De Bari, O., Portincasa, P. (2015). Exploring liver mitochondrial function by ¹³C-stable isotope breath tests: Implications in clinical biochemistry. *Methods in Molecular Biology*, 1241, pp. 137-152.
DOI: 10.1007/978-1-4939-1875-1_12

Bonfrate, L., Krawczyk, M., Lembo, A., Grattagliano, I., Lammert, F., Portincasa, P. (2015). Effects of dietary education, followed by a tailored fructose-restricted diet in adults with fructose malabsorption. *European Journal of Gastroenterology and Hepatology*, 27 (7), pp. 785-796.
DOI: 10.1097/MEG.0000000000000374

Testini, M., Gurrado, A., Portincasa, P., Scacco, S., Marzullo, A., Piccinni, G., Lissidini, G., Greco, L., De Salvia, M.A., **Bonfrate, L.**, Debellis, L., Sardaro, N., Staffieri, F., Carratù, M.R., Crovace, A. (2014). Bovine pericardium patch wrapping intestinal anastomosis improves healing process and prevents leakage in a pig model. *PLoS ONE*, 9 (1), art. no. e86627.
DOI: 10.1371/journal.pone.0086627

Bonfrate, L., Wang, D.Q.-H., Garruti, G., Portincasa, P. (2014). Obesity and the risk and prognosis of gallstone disease and pancreatitis. *Best Practice and Research: Clinical Gastroenterology*, 28 (4), pp. 623-635. DOI: 10.1016/j.bpg.2014.07.013

Grattagliano, I., **Bonfrate, L.**, Ruggiero, V., Scaccianoce, G., Palasciano, G., Portincasa, P. (2014). Novel therapeutics for the treatment of familial mediterranean fever: From colchicine to biologics *Clinical Pharmacology and Therapeutics*, 95 (1), pp. 89-97. DOI: 10.1038/clpt.2013.148

Grattagliano, I., **Bonfrate, L.**, Ruggiero, V., Scaccianoce, G., Palasciano, G., Portincasa, P. (2014). Erratum: Novel therapeutics for the treatment of familial mediterranean fever: From colchicine to biologics (*Clinical Pharmacology and Therapeutics* (2013) DOI: 10.1038/clpt.2013.148) *Clinical Pharmacology and Therapeutics*, 95 (1), p. 110. DOI: 10.1038/clpt.2013.213

Altomare, D.F., **Bonfrate, L.**, Krawczyk, M., Lammert, F., Caputi-Jambrenghi, O., Rizzi, S., Vacca, M., Portincasa, P. (2014). The inulin hydrogen breath test predicts the quality of colonic preparation. *Surgical Endoscopy*, 28 (5), pp. 1579-1587. DOI: 10.1007/s00464-013-3354-0

Zullo, A., Scaccianoce, G., De Francesco, V., Ruggiero, V., D'Ambrosio, P., Castorani, L., **Bonfrate, L.**, Vannella, L., Hassan, C., Portincasa, P. (2013). Concomitant, sequential, and hybrid therapy for H.pylori eradication: A pilot study. *Clinics and Research in Hepatology and Gastroenterology*, 37 (6), pp. 647-650. DOI: 10.1016/j.clinre.2013.04.003

Bonfrate, L., Tack, J., Grattagliano, I., Cuomo, R., Portincasa, P. (2013). Microbiota in health and irritable bowel syndrome: Current knowledge, perspectives and therapeutic options. *Scandinavian Journal of Gastroenterology*, 48 (9), pp. 995-1009. DOI: 10.3109/00365521.2013.799220

Bonfrate, L., Altomare, D.F., Di Lena, M., Travaglio, E., Rotelli, M.T., De Luca, A., Portincasa, P. (2013). MicroRNA in colorectal cancer: New perspectives for diagnosis, prognosis and treatment *Journal of Gastrointestinal and Liver Diseases*, 22 (3), pp. 311-320.

Di Ciaula, A., Wang, D.Q.-H., **Bonfrate, L.**, Portincasa, P. (2013). Current views on genetics and epigenetics of cholesterol gallstone disease. *Cholesterol*, 2013, art. no. 298421.

Bonfrate, L., Giulante, F., Palasciano, G., LaMont, J.T., Portincasa, P. (2013). Unexpected discovery of massive liver echinococcosis. A clinical, morphological, and functional diagnosis Annals of Hepatology, 12 (4), pp. 466-473.

Grattagliano, I., **Bonfrate, L.**, Oliveira, P.J., Castorani, L., Ruggiero, V., Valenzano, A.T., Ascensão, A., Buzoianu, A., Portincasa, P. (2013). Breath tests with novel ¹³C-substrates for clinical studies of liver mitochondrial function in health and disease. European review for medical and pharmacological sciences, 17, pp. 72-81.

Diogo, C.V., Grattagliano, I., Oliveira, P.J., **Bonfrate, L.**, Portincasa, P. (2011). Re-wiring the circuit: Mitochondria as a pharmacological target in liver disease. Current Medicinal Chemistry, 18 (35), pp. 5448-5465. DOI: 10.2174/092986711798194432

Loguercio, C., Tiso, A., Cotticelli, G., Blanco, C.D.V., Arpino, G., Laringe, M., Napoli, L., Piccinocchi, G., **Bonfrate, L.**, Grattagliano, I., Ubaldi, E., Portincasa, P. (2011). Management of chronic liver disease by general practitioners in Southern Italy: Unmet educational needs. Digestive and Liver Disease, 43 (9), pp. 736-741. DOI: 10.1016/j.dld.2011.04.013

Grattagliano, I., Russmann, S., Diogo, C., **Bonfrate, L.**, Oliveira, P.J., Wang, D.Q.-H., Portincasa, P. (2011). Mitochondria in chronic liver disease. Current Drug Targets, 12 (6), pp. 879-893. DOI: 10.2174/138945011795528877

Mastrodonato, M., Calamita, G., Rossi, R., Mentino, D., **Bonfrate, L.**, Portincasa, P., Ferri, D., Liquori, G.E. (2011). Altered distribution of caveolin-1 in early liver steatosis. European Journal of Clinical Investigation, 41 (6), pp. 642-651. DOI: 10.1111/j.1365-2362.2010.02459.x

Grattagliano, I., Ubaldi, E., **Bonfrate, L.**, Portincasa, P. (2011). Management of liver cirrhosis between primary care and specialists. World Journal of Gastroenterology, 17 (18), pp. 2273-2282. DOI: 10.3748/wjg.v17.i18.2273

Di Ciaula, A., Wang, D.Q.H., Wang, H.H., **Bonfrate, L.**, Portincasa, P. (2010). Targets for current pharmacologic therapy in cholesterol gallstone disease. Gastroenterology Clinics of North America, 39 (2), pp. 245-264. DOI: 10.1016/j.gtc.2010.02.005

Krawczyk, M., **Bonfrate, L.**, Portincasa, P. (2010). Nonalcoholic fatty liver disease. Best Practice and Research: Clinical Gastroenterology, 24 (5), pp. 695-708. DOI: 10.1016/j.bpg.2010.08.005

Grattagliano, I., **Bonfrate, L.**, Diogo, C.V., Wang, H.H., Wang, D.Q.H., Portincasa, P. (2009). Biochemical mechanisms in drug-induced liver injury: Certainties and doubts. World Journal of Gastroenterology, 15 (39), pp. 4865-4876. DOI: 10.3748/wjg.15.4865

Portincasa, P., Maggiapinto, A., Berardino, M., **Bonfrate, L.**, Costin, S., Todarello, O., Palasciano, G., Wang, D.Q.-H., Dumitrescu, D.L. (2009). Assessing gastrointestinal symptoms and perception, quality of life, motility, and autonomic neuropathy in clinical studies. Journal of Gastrointestinal and Liver Diseases, 18 (2), pp. 205-211.

De Mastro Francesco

De Mastro, F., Traversa, A., Brunetti, G., Debiase, G., Cocozza, C., Nigro, F. (2020). Soil culturable microorganisms as affected by different soil managements in a two year wheat-faba bean rotation. *Applied Soil Ecology*, 149, art. no. 103533. DOI: 10.1016/j.apsoil.2020.103533

Brunetti, G., Traversa, A., **De Mastro, F.**, Cocozza, C. (2019). Short term effects of synergistic inorganic and organic fertilization on soil properties and yield and quality of plum tomato. *Scientia Horticulturae*, 252, pp. 342-347. DOI: 10.1016/j.scienta.2019.04.002

De Mastro, F., Cocozza, C., Traversa, A., Savy, D., Abdelrahman, H.M., Brunetti, G. (2019). Influence of crop rotation, tillage and fertilization on chemical and spectroscopic characteristics of humic acids. *PLoS ONE*, 14 (6), art. no. e0219099. DOI: 10.1371/journal.pone.0219099

De Mastro, F., Brunetti, G., Traversa, A., Cocozza, C. (2019). Effect of crop rotation, fertilisation and tillage on main soil properties and its water extractable organic matter. *Soil Research*, DOI: 10.1071/SR18297

Brunetti, G., Ruta, C., Traversa, A., D'Ambruoso, G., Tarraf, W., **De Mastro, F.**, De Mastro, G., Cocozza, C. (2018). Remediation of a heavy metals contaminated soil using mycorrhized and non-mycorrhized *Helichrysum italicum* (Roth) Don Land Degradation and Development, 29 (1), pp. 91-104. DOI: 10.1002/ldr.2842

Difonzo Graziana

Castellino, M., Renna, M., Leoni, B., Calasso, M., **Difonzo, G.**, Santamaria, P., Gambacorta, G., Caponio, F., De Angelis, M., Paradiso, V.M. (2020). Conventional and unconventional recovery of inulin rich extracts for food use from the roots of globe artichoke. *Food Hydrocolloids*, 107, art. no. 105975. DOI: 10.1016/j.foodhyd.2020.105975

Caponio, G.R., Lorusso, M.P., Sorrenti, G.T., Marcotrigiano, V., **Difonzo, G.**, De Angelis, E., Guagnano, R., Di Ciaula, A., Diella, G., Logrieco, A.F., Montagna, M.T., Monaci, L., De Angelis, M., Portincasa, P. (2020). Chemical characterization, gastrointestinal motility and sensory evaluation of dark chocolate: A nutraceutical boosting consumers' health. *Nutrients*, 12 (4), art. no. 939. DOI: 10.3390/nu12040939

Miazzì, M.M., di Renzo, V., Mascio, I., Montemurro, C., Sion, S., Sabetta, W., Vivaldi, G.A., Camposeo, S., Caponio, F., Squeo, G., **Difonzo, G.**, Loconsole, G., Bottalico, G., Venerito, P., Montiloni, V., Saponari, A., Altamura, G., Mita, G., Petrontino, A., Fucilli, V., Bozzo, F. (2020). Re.Ger.O.P.: An Integrated Project for the Recovery of Ancient and Rare Olive Germplasm. *Frontiers in Plant Science*, 11, art. no. 73. DOI: 10.3389/fpls.2020.00073

Difonzo, G., Troilo, M., Squeo, G., Pasqualone, A., Caponio, F. (2020). Functional compounds from olive pomace to obtain high-added value foods – a review. *Journal of the Science of Food and Agriculture*. DOI: 10.1002/jsfa.10478

Faccia, M., Gambacorta, G., Martemucci, G., **Difonzo, G.**, D'Alessandro, A.G. (2020). Chemical-sensory traits of fresh cheese made by enzymatic coagulation of donkey milk. *Foods*, 9 (1), art. no. 16. DOI: 10.3390/foods9010016

Zago, L., Squeo, G., Bertoncini, E.I., **Difonzo, G.**, Caponio, F. (2019). Chemical and sensory characterization of Brazilian virgin olive oils. *Food Research International*, 126, art. no. 108588.

DOI: 10.1016/j.foodres.2019.108588

Flamminii, F., Di Mattia, C.D., **Difonzo, G.**, Neri, L., Faieta, M., Caponio, F., Pittia, P. (2019). From by-product to food ingredient: evaluation of compositional and technological properties of olive-leaf phenolic extracts. *Journal of the Science of Food and Agriculture*, 99 (14), pp. 6620-6627. DOI: 10.1002/jsfa.9949

Squeo, G., **Difonzo, G.**, Paradiso, V.M., Summo, C., Pasqualone, A., Caponio, F. (2019). Fatty acid ethyl esters in virgin olive oils: A correlation study with the volatile profile. *Emirates Journal of Food and Agriculture*, 31 (9), pp. 735-740. DOI: 10.9755/ejfa.2019.v31.i9.2012

Difonzo, G., Squeo, G., Fortunato, S., Paradiso, V.M., Summo, C., Pasqualone, A., Caponio, F. (2019). Oxydative stability and shelf-life improvement of taralli by natural antioxidants addition [Impiego di antiossidanti naturali per aumentare la stabilità ossidativa ed estendere la shelf-life dei taralli]. *Industrie Alimentari*, 58, pp. 10-15.

Pasqualone, A., Makhlof, F.Z., Barkat, M., **Difonzo, G.**, Summo, C., Squeo, G., Caponio, F. (2019). Effect of acorn flour on the physico-chemical and sensory properties of biscuits. *Heliyon*, 5 (8), art. no. e02242. DOI: 10.1016/j.heliyon.2019.e02242

Squeo, G., **Difonzo, G.**, Paradiso, V.M., Summo, C., Pasqualone, A., Caponio, F. (2019). Bambina cultivar, a minor Apulian variety: Maturation profile, composition of drupes and chemical characterization of virgin oil [Cv. Bambina, una varietà minore pugliese: Profilo di maturazione, composizione delle drupe e caratterizzazione chimica dell'olio vergine]. *Rivista Italiana delle Sostanze Grasse*, 96 (3), pp. 143-149.

Difonzo, G., Squeo, G., Calasso, M., Pasqualone, A., Caponio, F. (2019). Physico-chemical, microbiological and sensory evaluation of ready-to-use vegetable pâté added with olive leaf extract *Foods*, 8 (4), art. no. 138. DOI: 10.3390/foods8040138

Caponio, F., **Difonzo, G.**, Squeo, G., Fortunato, S., Silletti, R., Summo, C., Paradiso, V.M., Pasqualone, A. (2019). Influence of homogenization time and speed on rheological and volatile composition in olive-based pâtés. *Foods*, 8 (4), art. no. 115. DOI: 10.3390/foods8040115

Conte, P., Squeo, G., **Difonzo, G.**, Caponio, F., Fadda, C., Caro, A.D., Urgeghe, P.P., Montanari, L., Montinaro, A., Piga, A. (2019). Change in quality during ripening of olive fruits and related oils extracted from three minor autochthonous Sardinian cultivars. *Emirates Journal of Food and Agriculture*, 31 (3), pp. 196-205.

DOI: 10.9755/ejfa.2019.v31.i3.1923

Ranieri, M., Mise, A.D., **Difonzo, G.**, Centrone, M., Venneri, M., Pellegrino, T., Russo, A., Mastrodonato, M., Caponio, F., Valenti, G., Tamma, G. (2019). Green olive leaf extract (OLE) provides cytoprotection in renal cells exposed to low doses of cadmium. *PLoS ONE*, 14 (3), art. no. e0214159. DOI: 10.1371/journal.pone.0214159

Caponio, F., **Difonzo, G.**, Calasso, M., Cosmai, L., De Angelis, M. (2019). Effects of olive leaf extract addition on fermentative and oxidative processes of table olives and their nutritional properties. *Food Research International*, 116, pp. 1306-1317. DOI: 10.1016/j.foodres.2018.10.020

Difonzo, G., Vollmer, K., Caponio, F., Pasqualone, A., Carle, R., Steingass, C.B. (2019). Characterisation and classification of pineapple (*Ananas comosus* [L.] Merr.) juice from pulp and peel. *Food Control*, 96, pp. 260-270. DOI: 10.1016/j.foodcont.2018.09.015

Faccia, M., Gambacorta, G., Natrella, G., Squeo, G., **Difonzo, G.**, Caponio, F. (2019). Development of a brine for mozzarella preservation. Italian Journal of Food Science, 31 (5), pp. 79-84.

Pasqualone, A., De Angelis, D., Squeo, G., **Difonzo, G.**, Caponio, F., Summo, C. (2019). The effect of the addition of apulian black chickpea flour on the nutritional and qualitative properties of durum wheat-based bakery products. Foods, 8 (10), art. no. 504. DOI: 10.3390/foods8100504

Difonzo, G., Squeo, G., Calasso, M., Pasqualone, A., Summ, C., Paradiso, V.M., Silletti, R., Gambacorta, G., Faccia, M., Caponio, F. (2019). Olive leaf extract as natural preservative. Italian Journal of Food Science, 31 (5), pp. 187-191.

Difonzo, G., Pasqualone, A., Silletti, R., Cosmai, L., Summo, C., Paradiso, V.M., Caponio, F. (2018). Use of olive leaf extract to reduce lipid oxidation of baked snacks. Food Research International, 108, pp. 48-56. DOI: 10.1016/j.foodres.2018.03.034

Magrone, T., Spagnoletta, A., Salvatore, R., Magrone, M., Dentamaro, F., Russo, M.A., **Difonzo, G.**, Summo, C., Caponio, F., Jirillo, E. (2018). Olive leaf extracts act as modulators of the human immune response. Endocrine, Metabolic and Immune Disorders - Drug Targets, 18 (1), pp. 85-93. DOI: 10.2174/1871530317666171116110537

Difonzo, G., Russo, A., Trani, A., Paradiso, V.M., Ranieri, M., Pasqualone, A., Summo, C., Tamma, G., Silletti, R., Caponio, F. (2017). Green extracts from Coratina olive cultivar leaves: Antioxidant characterization and biological activity. Journal of Functional Foods, 31, pp. 63-70. DOI: 10.1016/j.jff.2017.01.039

Caponio, F., Squeo, G., **Difonzo, G.**, Pasqualone, A., Summo, C., Paradiso, V.M. (2016). Has the use of talc an effect on yield and extra virgin olive oil quality? Journal of the science of food and agriculture, 96 (10), pp. 3292-3299. DOI: 10.1002/jsfa.7658

Giancaspero, T.A., Colella, M., Brizio, C., **Difonzo, G.**, Fiorino, G.M., Leone, P., Brandsch, R., Bonomi, F., Iametti, S., Barile, M. (2015). Remaining challenges in cellular flavin cofactor homeostasis and flavoprotein biogenesis. Frontiers in Chemistry, 3 (APR), art. no. 30. DOI: 10.3389/fchem.2015.00030

Dinardo Francesca Rita

Minervini, F., **Dinardo, F.R.**, De Angelis, M., Gobbetti, M. (2019). Tap water is one of the drivers that establish and assemble the lactic acid bacterium biota during sourdough preparation. Scientific Reports, 9 (1), art. no. 570. DOI: 10.1038/s41598-018-36786-2

Dinardo, F.R., Minervini, F., De Angelis, M., Gobbetti, M., Gänzle, M.G. (2019). Dynamics of Enterobacteriaceae and lactobacilli in model sourdoughs are driven by pH and concentrations of sucrose and ferulic acid. LWT, 114, art. no. 108394. DOI: 10.1016/j.lwt.2019.108394

Minervini, F., **Dinardo, F.R.**, Celano, G., De Angelis, M., Gobbetti, M. (2018). Lactic acid bacterium population dynamics in artisan sourdoughs over one year of daily propagations is mainly driven by flour microbiota and nutrients. Frontiers in Microbiology, 9 (AUG), art. no. 1984. DOI: 10.3389/fmicb.2018.01984

Minervini, F., Lattanzi, A., **Dinardo, F.R.**, De Angelis, M., Gobbetti, M. (2018). Wheat endophytic lactobacilli drive the microbial and biochemical features of sourdoughs. Food Microbiology, 70, pp. 162-171. DOI: 10.1016/j.fm.2017.09.006

Fiorino Giuseppina Maria

Fiorino, G.M., Losito, I., De Angelis, E., Arlorio, M., Logrieco, A.F., Monaci, L. (2019). Assessing fish authenticity by direct analysis in real time-high resolution mass spectrometry and multivariate analysis: discrimination between wild-type and farmed salmon. *Food Research International*, 116, pp. 1258-1265. DOI: 10.1016/j.foodres.2018.10.013

Fiorino, G.M., Fresch, M., Brömmmer, I., Losito, I., Arlorio, M., Brockmeyer, J., Monaci, L. (2019). Mass spectrometry-based untargeted proteomics for the assessment of food authenticity: The case of farmed versus wild-Type salmon. *Journal of AOAC International*, 102 (5), pp. 1339-1345. DOI: 10.5740/jaoacint.19-0062

Fiorino, G.M., Losito, I., De Angelis, E., Logrieco, A.F., Monaci, L. (2018). Direct analysis in real time coupled to high resolution mass spectrometry as a rapid tool to assess salmon (*Salmo salar*) freshness. *Journal of Mass Spectrometry*, 53 (9), pp. 781-791. DOI: 10.1002/jms.4260

Fiorino, G.M., Garino, C., Arlorio, M., Logrieco, A.F., Losito, I., Monaci, L. (2018). Overview on Untargeted Methods to Combat Food Frauds: A Focus on Fishery Products. *Journal of Food Quality*, 2018, art. no. 1581746. DOI: 10.1155/2018/1581746

Massari Federica

Aresta, A., Cotugno, P., De Vistro, N., **Massari, F.**, Zambonin, C. (2020). Determination of Polyphenols and Vitamins in Wine-Making by-Products by Supercritical Fluid Extraction (SFE) Analytical Letters. DOI: 10.1080/00032719.2020.1749846

Aresta, A., Cotugno, P., **Massari, F.**, Zambonin, C. (2018). Determination of Trans-resveratrol in Wines, Spirits, and Grape Juices Using Solid-Phase Micro Extraction Coupled to Liquid Chromatography with UV Diode-Array Detection. *Food Analytical Methods*, 11 (2), pp. 426-431. DOI: 10.1007/s12161-017-1013-0

Aresta, A., Cotugno, P., **Massari, F.**, Zambonin, C. (2017). Determination of isoflavones in soybean flour by matrix solid-phase dispersion extraction and liquid chromatography with UV-diode array detection. *Journal of Food Quality*, 2017, art. no. 8049039. DOI: 10.1155/2017/8049039

Amenduni, A., Brattoli, M., De Gennaro, G., **Massari, F.**, Palmisani, J., Tutino, M. (2016). Chemical characterization of ODOR active volatile organic compounds emitted from perfumes by GC/MS-O. *Environmental Engineering and Management Journal*, 15 (9), pp. 1963-1969.

Ventrella Gianrocco

Debiase, G., Traversa, A., Montemurro, F., Mastrangelo, M., Fiore, A., **Ventrella, G.**, Brunetti, G. (2018). Minimum tillage and organic fertilization for the sustainable management of *Brassica carinata* A. (Braun) in the Mediterranean environment. *Environmental Science and Pollution Research*, 25 (33), pp. 33556-33565. DOI: 10.1007/s11356-018-3244-z

Murgolo, S., Moreira, I.S., Piccirillo, C., Castro, P.M.L., **Ventrella, G.**, Cocozza, C., Mascolo, G. (2018). Photocatalytic degradation of diclofenac by hydroxyapatite-TiO₂ composite material: Identification of transformation products and assessment of toxicity. *Materials*, 11 (9), art. no. 1779. DOI: 10.3390/ma11091779

Di Gilio, A., **Ventrella, G.**, Giungato, P., Tutino, M., Giua, R., Assennato, G., de Gennaro, G. (2017). An intensive monitoring campaign of PAHs for assessing the impact of a steel plant. Chemosphere, 168, pp. 171-182. DOI: 10.1016/j.chemosphere.2016.10.019

Di Gilio, A., de Gennaro, G., Dambruoso, P., **Ventrella, G.** (2015). An integrated approach using high time-resolved tools to study the origin of aerosols. Science of the Total Environment, 530-531, pp. 28-37. DOI: 10.1016/j.scitotenv.2015.04.073