

Pubblicazioni internazionali di Luca Simone Cocolin nel periodo 2018 – maggio 2020

De Angelis, M., Ferrocino, I., Calabrese, F.M., De Filippis, F., Cavallo, N., Siragusa, S., Rampelli, S., Di Cagno, R., Rantsiou, K., Vannini, L., Pellegrini, N., Lazzi, C., Turroni, S., Lorusso, N., Ventura, M., Chieppa, M., Neviani, E., Brigidì, P., O'Toole, P.W., Ercolini, D., Gobbetti, M., Cocolin, L.

Diet influences the functions of the human intestinal microbiome

(2020) *Scientific Reports*, 10 (1), art. no. 4247, IF 4.011

DOI: 10.1038/s41598-020-61192-y

Belleggia, L., Aquilanti, L., Ferrocino, I., Milanovic, V., Garofalo, C., Clementi, F., Cocolin, L., Mozzon, M., Foligni, R., Haouet, M.N., Scuota, S., Framboas, M., Osimani, A.

Discovering microbiota and volatile compounds of surstromming, the traditional Swedish sour herring

(2020) *Food Microbiology*, 91, art. no. 103503, IF 4.089

DOI: 10.1016/j.fm.2020.103503

Russo, P., Englezos, V., Capozzi, V., Pollon, M., Rio Segade, S., Rantsiou, K., Spano, G., Cocolin, L.

Effect of mixed fermentations with *Starmerella bacillaris* and *Saccharomyces cerevisiae* on management of malolactic fermentation

(2020) *Food Research International*, 134, art. no. 109246, IF 3.579

DOI: 10.1016/j.foodres.2020.109246

Belleggia, L., Milanovic, V., Ferrocino, I., Cocolin, L., Haouet, M.N., Scuota, S., Maoloni, A., Garofalo, C., Cardinali, F., Aquilanti, L., Mozzon, M., Foligni, R., Pasquini, M., Trombetta, M.F., Clementi, F., Osimani, A.

Is there any still undisclosed biodiversity in Ciauscolo salami? A new glance into the microbiota of an artisan production as revealed by high-throughput sequencing

(2020) *Meat Science*, 165, art. no. 108128, IF 3.483

DOI: 10.1016/j.meatsci.2020.108128

Maoloni, A., Blaiotta, G., Ferrocino, I., Mangia, N.P., Osimani, A., Milanovic, V., Cardinali, F., Cesaro, C., Garofalo, C., Clementi, F., Pasquini, M., Trombetta, M.F., Cocolin, L., Aquilanti, L.

Microbiological characterization of Gioddu, an Italian fermented milk

(2020) *International Journal of Food Microbiology*, 323, art. no. 108610, IF 4.006

DOI: 10.1016/j.ijfoodmicro.2020.108610

Pellegrini, M., Ippolito, M., Monge, T., Violi, R., Cappello, P., Ferrocino, I., Cocolin, L.S., De Francesco, A., Bo, S., Finocchiaro, C.

Gut microbiota composition after diet and probiotics in overweight breast cancer survivors: a randomized open-label pilot intervention trial

(2020) *Nutrition*, 74, art. no. 110749, IF 3.591

DOI: 10.1016/j.nut.2020.110749

Pinto, L., Baruzzi, F., Cocolin, L., Malfeito-Ferreira, M.

Emerging technologies to control *Brettanomyces* spp. in wine: Recent advances and future trends

(2020) *Trends in Food Science and Technology*, 99, pp. 88-100, IF 8.519

DOI: 10.1016/j.tifs.2020.02.013

Caro, I., Quinto, E.J., Fuentes, L., Alessandria, V., Cocolin, L.S., Redondo-del-RVño, M.P., Mayo, B., FlVrez, A.B., Mateo, J.

Characterization of *Lactococcus* strains isolated from artisanal Oaxaca cheese

(2020) *LWT*, 122, art. no. 109041, IF 3.714

DOI: 10.1016/j.lwt.2020.109041

Biasato, I., Ferrocino, I., Dabbou, S., Evangelista, R., Gai, F., Gasco, L., Cocolin, L., Capucchio, M.T., Schiavone, A. Black soldier fly and gut health in broiler chickens: Insights into the relationship between cecal microbiota and intestinal mucin composition

(2020) *Journal of Animal Science and Biotechnology*, 11 (1), art. no. 11, IF 3.441

DOI: 10.1186/s40104-019-0413-y

Englezos, V., Torchio, F., Vagnoli, P., Krieger-Weber, S., Rantsiou, K., Cocolin, L.
Impact of *saccharomyces cerevisiae* strain selection on malolactic fermentation by *lactobacillus plantarum* and *oenococcus oeni*
(2020) American Journal of Enology and Viticulture, 71 (2), pp. 157-165, IF 1.783
DOI: 10.5344/ajev.2019.19061

Nogueira Vicosa, G., Vieira Botelho, C., Botta, C., Bertolino, M., Fernandes de Carvalho, A., Nero, L.A., Cocolin, L.
Impact of co-cultivation with *Enterococcus faecalis* over growth, enterotoxin production and gene expression of *Staphylococcus aureus* in broth and fresh cheeses
(2019) International Journal of Food Microbiology, 308, art. no. 108291, IF 4.006
DOI: 10.1016/j.ijfoodmicro.2019.108291

Englezos, V., Rantsiou, K., Cravero, F., Torchio, F., Giacosa, S., Rio Segade, S., Gai, G., Doglani, E., Gerbi, V., Cocolin, L., Rolle, L.
Minimizing the environmental impact of cleaning in winemaking industry by using ozone for cleaning-in-place (CIP) of wine bottling machine
(2019) Journal of Cleaner Production, 233, pp. 582-589, IF 6.395
DOI: 10.1016/j.jclepro.2019.06.097

Englezos, V., Cachon, D.C., Rantsiou, K., Blanco, P., Petrozziello, M., Pollon, M., Giacosa, S., Rvño Segade, S., Rolle, L., Cocolin, L.
Effect of mixed species alcoholic fermentation on growth and malolactic activity of lactic acid bacteria
(2019) Applied Microbiology and Biotechnology, 103 (18), pp. 7687-7702, 3.670
DOI: 10.1007/s00253-019-10064-1

Osimani, A., Ferrocino, I., Agnolucci, M., Cocolin, L., Giovannetti, M., Cristani, C., Palla, M., Milanovifá, V., Roncolini, A., Sabbatini, R., Garofalo, C., Clementi, F., Cardinali, F., Petruzzelli, A., Gabucci, C., Tonucci, F., Aquilanti, L.
Unveiling hakarl: A study of the microbiota of the traditional Icelandic fermented fish
(2019) Food Microbiology, 82, pp. 560-572, IF 4.089
DOI: 10.1016/j.fm.2019.03.027

Englezos, V., Pollon, M., Rantsiou, K., Ortiz-Julien, A., Botto, R., Rvño Segade, S., Giacosa, S., Rolle, L., Cocolin, L.
Saccharomyces cerevisiae-*Starmerella bacillaris* strains interaction modulates chemical and volatile profile in red wine mixed fermentations
(2019) Food Research International, 122, pp. 392-401, IF 3.579
DOI: 10.1016/j.foodres.2019.03.072

Figueroa-Hernandez, C., Mota-Gutierrez, J., Ferrocino, I., Hernandez-Estrada, Z.J., Gonzalez-Raos, O., Cocolin, L., Suarez-Quiroz, M.L.
The challenges and perspectives of the selection of starter cultures for fermented cocoa beans
(2019) International Journal of Food Microbiology, 301, pp. 41-50, IF 4.006
DOI: 10.1016/j.ijfoodmicro.2019.05.002

Englezos, V., Rantsiou, K., Torchio, F., Pollon, M., Giacosa, S., Rvño Segade, S., Gerbi, V., Rolle, L., Cocolin, L.
Efficacy of ozone against different strains of *Brettanomyces bruxellensis* on winegrapes postharvest and impact on wine composition
(2019) American Journal of Enology and Viticulture, 70 (3), pp. 249-258, IF 1.783
DOI: 10.5344/ajev.2019.18058

Bautista-Gallego, J., Ferrocino, I., Botta, C., Ercolini, D., Cocolin, L., Rantsiou, K.
Probiotic potential of a *Lactobacillus rhamnosus* cheese isolate and its effect on the fecal microbiota of healthy volunteers
(2019) Food Research International, 119, pp. 305-314, IF 3.579
DOI: 10.1016/j.foodres.2019.02.004

Biasato, I., Ferrocino, I., Grego, E., Dabbou, S., Gai, F., Gasco, L., Cocolin, L., Capucchio, M.T., Schiavone, A.

Gut microbiota and mucin composition in female broiler chickens fed diets including yellow mealworm (*Tenebrio molitor*, L.)
(2019) *Animals*, 9 (5), art. no. 213, IF 1.832
DOI: 10.3390/ani9050213

Mota Gutierrez, J., BarbosaPereira, L., Ferrocino, I., Cocolin, L.
Traceability of functional volatile compounds generated on inoculated cocoa fermentation and its potential health benefits
(2019) *Nutrients*, 11 (4), art. no. 884, IF 4.171
DOI: 10.3390/nu11040884

De Filippis, F., Pasolli, E., Tett, A., Tarallo, S., Naccarati, A., De Angelis, M., Neviani, E., Cocolin, L., Gobbetti, M., Segata, N., Ercolini, D.
Distinct Genetic and Functional Traits of Human Intestinal *Prevotella copri* Strains Are Associated with Different Habitual Diets
(2019) *Cell Host and Microbe*, 25 (3), pp. 444-453.e3, IF 15.753
DOI: 10.1016/j.chom.2019.01.004

Robino, P., Ferrocino, I., Rossi, G., Dogliero, A., Alessandria, V., Grossi, L., Galosi, L., Tramuta, C., Cocolin, L., Nebbia, P.
Changes in gut bacterial communities in canaries infected by *Macrorhabdus ornithogaster*
(2019) *Avian Pathology*, 48 (2), pp. 111-120, IF 1.961
DOI: 10.1080/03079457.2018.1553294

Mota-Gutierrez, J., Ferrocino, I., Rantsiou, K., Cocolin, L.
Metataxonomic comparison between internal transcribed spacer and 26S ribosomal large subunit (LSU) rDNA gene
(2019) *International Journal of Food Microbiology*, 290, pp. 132-140, IF 4.006
DOI: 10.1016/j.ijfoodmicro.2018.10.010

Englezos, V., Rantsiou, K., Giacosa, S., RVño Segade, S., Rolle, L., Cocolin, L.
Cell-to-cell contact mechanism modulates *Starmerella bacillaris* death in mixed culture fermentations with *Saccharomyces cerevisiae*
(2019) *International Journal of Food Microbiology*, 289, pp. 106-114, IF 4.006
DOI: 10.1016/j.ijfoodmicro.2018.09.009

Jampaphaeng, K., Cocolin, L., Maneerat, S.
Bacterial population diversity in Sataw-Dong, a traditional fermented stink bean, during fermentation using the combination of culture-dependent and culture independent methods through DGGE technique
(2019) *Songklanakarin Journal of Science and Technology*, 41 (2), pp. 285-291, IF 0.470
DOI: 10.14456/sjst-psu.2019.36

Alessandria, V., Rantsiou, K., Cavallero, M.C., Cocolin, L.S.
Effect of atmospheric pressure plasma on *Listeria monocytogenes* attached to abiotic surfaces
(2019) *Journal of Food Protection*, 82 (2), pp. 233-237, IF 1.559
DOI: 10.4315/0362-028X.JFP-18-228

Montiel, R., Quesille-Villalobos, A., Alessandria, V., Medina, M., Cocolin, L.S., Rantsiou, K.
Antilisterial Effect and Influence on *Listeria monocytogenes* Gene Expression of Enterocin or *Enterococcus faecalis* in Sliced Dry-Cured Ham Stored at 78C
(2019) *Journal of Food Protection*, 82 (9), pp. 1598-1606, IF 1.559
DOI: 10.4315/0362-028X.JFP-19-024

Ruggirello, M., Nucera, D., Cannoni, M., Peraino, A., Rosso, F., Fontana, M., Cocolin, L., Dolci, P.
Antifungal activity of yeasts and lactic acid bacteria isolated from cocoa bean fermentations
(2019) *Food Research International*, 115, pp. 519-525, IF 3.579
DOI: 10.1016/j.foodres.2018.10.002

Dabbou, S., Ferrocino, I., Kovitvadhi, A., Dabbou, S., Bergagna, S., Dezzuto, D., Schiavone, A., Cocolin, L., Gai, F., Santoro, V., Gasco, L.

Bilberry pomace in rabbit nutrition: Effects on growth performance, apparent digestibility, caecal traits, bacterial community and antioxidant status

(2019) *Animal*, 13 (1), pp. 53-63, IF 1.832

DOI: 10.1017/S17517311800099X

Cocolin, L., Mataragas, M., Bourdichon, F., Doulgeraki, A., Pilet, M.-F., Jagadeesan, B., Rantsiou, K., Phister, T.

Next generation microbiological risk assessment meta-omics: The next need for integration

(2018) *International Journal of Food Microbiology*, 287, pp. 10-17, IF 4.006

DOI: 10.1016/j.ijfoodmicro.2017.11.008

Biasato, I., Ferrocino, I., Biasibetti, E., Grego, E., Dabbou, S., Sereno, A., Gai, F., Gasco, L., Schiavone, A., Cocolin, L., Capucchio, M.T.

Modulation of intestinal microbiota, morphology and mucin composition by dietary insect meal inclusion in free-range chickens

(2018) *BMC Veterinary Research*, 14 (1), art. no. 383, IF 1.792

DOI: 10.1186/s12917-018-1690-y

Mataragas, M., Alessandria, V., Ferrocino, I., Rantsiou, K., Cocolin, L.

A bioinformatics pipeline integrating predictive metagenomics profiling for the analysis of 16S rDNA/rRNA sequencing data originated from foods

(2018) *Food Microbiology*, 76, pp. 279-286, IF 4.089

DOI: 10.1016/j.fm.2018.05.009

Jampaphaeng, K., Ferrocino, I., Giordano, M., Rantsiou, K., Maneerat, S., Cocolin, L.

Microbiota dynamics and volatilome profile during stink bean fermentation (Sataw-Dong) with *Lactobacillus plantarum* KJ03 as a starter culture

(2018) *Food Microbiology*, 76, pp. 91-102, IF 4.089

DOI: 10.1016/j.fm.2018.04.012

Ferrocino, I., Ponzo, V., Gambino, R., Zarovska, A., Leone, F., Monzeglio, C., Goitre, I., Rosato, R., Romano, A., Grassi, G., Broglio, F., Cassader, M., Cocolin, L., Bo, S.

Changes in the gut microbiota composition during pregnancy in patients with gestational diabetes mellitus (GDM)

(2018) *Scientific Reports*, 8 (1), art. no. 12216, IF 4.011

DOI: 10.1038/s41598-018-30735-9

Mota-Gutierrez, J., Botta, C., Ferrocino, I., Giordano, M., Bertolino, M., Dolci, P., Cannoni, M., Cocolin, L.

Dynamics and biodiversity of bacterial and yeast communities during fermentation of cocoa beans

(2018) *Applied and Environmental Microbiology*, 84 (19), art. no. e01164-18, IF 4.077

DOI: 10.1128/AEM.01164-18

Ruggirello, M., Giordano, M., Bertolino, M., Ferrocino, I., Cocolin, L., Dolci, P.

Study of *Lactococcus lactis* during advanced ripening stages of model cheeses characterized by GC-MS

(2018) *Food Microbiology*, 74, pp. 132-142, IF 4.089

DOI: 10.1016/j.fm.2018.03.012

Franciosa, I., Alessandria, V., Dolci, P., Rantsiou, K., Cocolin, L.

Sausage fermentation and starter cultures in the era of molecular biology methods

(2018) *International Journal of Food Microbiology*, 279, pp. 26-32, IF 4.006

DOI: 10.1016/j.ijfoodmicro.2018.04.038

Englezos, V., Rantsiou, K., Cravero, F., Torchio, F., Pollon, M., Fracassetti, D., Ortiz-Julien, A., Gerbi, V., Rolle, L., Cocolin, L.

Volatile profile of white wines fermented with sequential inoculation of *Starmerella bacillaris* and *Saccharomyces cerevisiae*

(2018) *Food Chemistry*, 257, pp. 350-360, IF 5.399

DOI: 10.1016/j.foodchem.2018.03.018

Englezos, V., Cocolin, L., Rantsiou, K., Ortiz-Julien, A., Bloem, A., Dequin, S., Camarasa, C.
Specific phenotypic traits of *Starmerella bacillaris* related to nitrogen source consumption and central carbon
metabolite production during wine fermentation
(2018) Applied and Environmental Microbiology, 84 (16), art. no. e00797-18, IF 4.077
DOI: 10.1128/AEM.000797-18

Vicoso, G.N., Botta, C., Ferrocino, I., Bertolino, M., Ventura, M., Nero, L.A., Cocolin, L.
Staphylococcus aureus undergoes major transcriptional reorganization during growth with *Enterococcus faecalis* in
milk
(2018) Food Microbiology, 73, pp. 17-28, IF 4.089
DOI: 10.1016/j.fm.2018.01.007

Englezos, V., Rantsiou, K., Cravero, F., Torchio, F., Giacosa, S., Ortiz-Julien, A., Gerbi, V., Rolle, L., Cocolin, L.
Volatile profiles and chromatic characteristics of red wines produced with *Starmerella bacillaris* and
Saccharomyces cerevisiae
(2018) Food Research International, 109, pp. 298-309, IF 3.579
DOI: 10.1016/j.foodres.2018.04.027

Leroy, F., Aymerich, T., Champomier-Verges, M.-C., Cocolin, L., De Vuyst, L., Flores, M., Leroi, F., Leroy, S., Talon, R.,
Vogel, R.F., Zagorec, M.
Fermented meats (and the symptomatic case of the Flemish food pyramid): Are we heading towards the
vilification of a valuable food group?
(2018) International Journal of Food Microbiology, 274, pp. 67-70, IF 4.006

DOI: 10.1016/j.ijfoodmicro.2018.02.006

Cravero, F., Englezos, V., Rantsiou, K., Torchio, F., Giacosa, S., RVño Segade, S., Gerbi, V., Rolle, L., Cocolin, L.
Control of *Brettanomyces bruxellensis* on wine grapes by post-harvest treatments with electrolyzed water,
ozonated water and gaseous ozone
(2018) Innovative Food Science and Emerging Technologies, 47, pp. 309-316, IF 4.085
DOI: 10.1016/j.ifset.2018.03.017

Mastrocola, R., Ferrocino, I., Liberto, E., Chiazza, F., Cento, A.S., Collotta, D., Querio, G., Nigro, D., Bitonto, V.,
Cutrin, J.C., Rantsiou, K., Durante, M., Masini, E., Aragno, M., Cordero, C., Cocolin, L., Collino, M.
Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver
toxicity: a comparative *in vivo* study
(2018) Journal of Nutritional Biochemistry, 55, pp. 185-199, IF 4.490
DOI: 10.1016/j.jnutbio.2018.02.003

Mussano, F., Ferrocino, I., Gavrilova, N., Genova, T., Dell'Acqua, A., Cocolin, L., Carossa, S.
Apical periodontitis: Preliminary assessment of microbiota by 16S rRNA high throughput amplicon target
sequencing
(2018) BMC Oral Health, 18 (1), art. no. 55, IF 2.048
DOI: 10.1186/s12903-018-0520-8

Botta, C., Ferrocino, I., Cavallero, M.C., Riva, S., Giordano, M., Cocolin, L.
Potentially active spoilage bacteria community during the storage of vacuum packaged beefsteaks treated with
aqueous ozone and electrolyzed water
(2018) International Journal of Food Microbiology, 266, pp. 337-345, IF 4.006
DOI: 10.1016/j.ijfoodmicro.2017.10.012

Ferrocino, I., Bellio, A., Giordano, M., Macori, G., Romano, A., Rantsiou, K., Decastelli, L., Cocolin, L.
Shotgun metagenomics and volatile profile of the microbiota of fermented sausages
(2018) Applied and Environmental Microbiology, 84 (3), art. no. e02120-17, IF 4.077
DOI: 10.1128/AEM.02120-17

Englezos, V., Cravero, F., Torchio, F., Rantsiou, K., Ortiz-Julien, A., Lambri, M., Gerbi, V., Rolle, L., Cocolin, L.

Oxygen availability and strain combination modulate yeast growth dynamics in mixed culture fermentations of grape must with *Starmerella bacillaris* and *Saccharomyces cerevisiae*
(2018) Food Microbiology, 69, pp. 179-188, IF 4.089
DOI: 10.1016/j.fm.2017.08.007

Rolle, L., Englezos, V., Torchio, F., Cravero, F., RVño Segade, S., Rantsiou, K., Giacosa, S., Gambuti, A., Gerbi, V., Cocolin, L.
Alcohol reduction in red wines by technological and microbiological approaches: a comparative study
(2018) Australian Journal of Grape and Wine Research, 24 (1), pp. 62-74, 2.343
DOI: 10.1111/ajgw.12301

Per la lista completa: <https://www.scopus.com/authid/detail.uri?authorId=7005663393>