



**Daniela Fiocco**  
***Curriculum vitae***

**PERSONAL DETAILS**

Date and place of birth: April 10, 1973; Rome, ITALY.

email: [daniela.fiocco@unifg.it](mailto:daniela.fiocco@unifg.it); tel. +39 0881 588038

PRESENT POSITION: Associate Professor in Experimental Biology, Department of Clinical and Experimental Medicine, Foggia University.

**EDUCATION and ACADEMIC EXPERIENCES**

1992: Scientific High School Diploma

1996: EU Erasmus Fellowship in the University College of North Wales–UK

1999: Master degree in Biological Sciences, Università degli Studi di Roma La Sapienza (110/110 cum laude).

1999-2000: post-graduate traineeship in the Biochemical Sciences Dept. Università degli Studi di Roma La Sapienza.

2000: EU postgraduate fellowship LEONARDO (6 months *stage*)- Department of Agriculture-IACR-Long Ashton Research Station, Bristol University-UK

Sept-Dec. 2000: *research scientist* at Bristol University - IACR-Long Ashton Research Station- UK.

2001: Teacher qualification for scientific subjects in public secondary schools (public competition-A060)

2001-2004: PhD student in Biochemistry- Biochemical Sciences Dept. Università degli Studi di Roma La Sapienza.

2004-2005: Post-doc fellowship (Istituto Pasteur-Fondazione Cenci Bolgnetti) Sant'Andrea Hospital, Medical Faculty, Università degli Studi di Roma La Sapienza.

2005-2007: Collaboration activities - Microbiology laboratory - Dep. of Food Sciences, Foggia University.

2008: Post doc research position-Microbiology laboratory - Dep. of Food Sciences, Foggia University.

December 2008 (till December 2019): assistant professor in Experimental Biology (SSD BIO/13)- Foggia University.

2014 (to 2020): Qualification as Associate Professor in Experimental biology (05/F1)

2017 (to 2023): Qualification as Associate Professor in Microbiology (05/I2)

December 2019: appointed as associate professor in Experimental Biology (SSD BIO/13)- Foggia University.

## **RESEARCH PROJECTS**

7th FRAMEWORK PROGRAMME: Prediction of cognitive properties of new drug candidates for neurodegenerative diseases in early clinical development" (PHARMA-COG); Member of RU (2010)  
PON: *PLatform for Agrofood Science and Safety (PLASS)*". Member of RU (2007-2013).

PON: Strumenti innovativi per il miglioramento della sicurezza alimentare (S.I.MI.S.A.) Member of RU (2015).

PON02\_00186\_2937475: PROTOCOLLI TECNOLOGICI E CLINICI INNOVATIVI PER LA PRODUZIONE DI ALIMENTI FUNZIONALI, Pro. Ali. Fun. Responsible of RU and component of RU (2011-2015).

International project P916PTE0233: Alimentos vegetales con funcionalidad probiótica para poblaciones infantiles desnutridas (Vegetable-based foods with probiotic functionality for malnourished infant populations) PRO-INFANT. Associate partner (2017-2019).

ERASMUS+ KA2 strategic partnership (project N° 1412148; agreement N° 2017-1-RO01-KA202-037373) "Corrective VET international training for obesity prevention and healthy life style promotion" (CORRECT IT!). RU member (2018-2019).

University PRA 2018 project "Characterization of the small heat shock proteins from a probiotic model organism", principal investigator (2019-2020).

## **TEACHING ACTIVITY**

From 2008 to present: lecturer of "experimental biology" in various bachelor and master degrees, including Medicine and Surgery. Foggia University.

## **RESEARCH ACTIVITY**

### **MAIN RESEARCH TOPICS**

Probiotic-host interactions. Development of in vitro systems simulating the human gastro-intestinal tract. Probiotic features: immune modulation and mucosal colonization. Prebiotics.

Stress response mechanisms in probiotic microorganisms. Small heat shock proteins.

Phylogenetic and applicative aspects of melanogenesis.

Expression and activity of antimicrobial peptides.

### **REFEREE ACTIVITY**

Referee for several international journals and evaluator of research projects. Review editor for *Frontiers in Microbiology*.

November 2014: member of the Committee of Istituto Zooprofilattico Sperimentale di Puglia e Basilicata (IZP-PB) for the evaluation of research projects

2015-2017: *Expert reviewer* of projects from the *National Science Centre (NCS)*, Kraków (Poland).

## TECHNOLOGICAL TRANSFER AND SCIENTIFIC AWARDS

2011: grant from “Consorzio di Capitanata” awarded for research product with territorial relevance

2011: Co-founder of the university *Spin off* Promis Biotech srl ([www.promis-biotech.com](http://www.promis-biotech.com)) for the characterization of microbial resources with biomedical and biotechnological potential. Promis Biotech has been awarded in several national competitions.

2015: Co-owner of the patent “NUOVO CEPPO DI LACTOBACILLUS”; RM2013A000257 - 0001417530 (UIBM, 18 august 2015); <http://brevettidb.uibm.gov.it/>

## Membership

- Member of Associazione Italiana di Biologia e Genetica generale e molecolare (AIBG) since 2007.
- Member of “rete di ricercatori” Associazione “Agorà Scienze Biomediche” (<https://www.scienzebiomediche.it>)

## SCIENTIFIC PUBLICATIONS

Co-author of 51 papers in extenso on international peer review journals, contributions to 12 books, and several abstracts at national and international congresses.

Scopus: documents 53, H-index 22, 1289 total citations (access June 2020)

## List of publications on peer review international journals with IF

1. Miele R. , M. Borro , **D. Fiocco** , D. Barra , M. Simmaco (2000) Sequence of a gene from *Bombina orientalis* coding for the antimicrobial peptide BLP-7. *Peptides*, 21, 1681-1686. (IF 2.7)
2. Carzaniga R., **D. Fiocco**, P. Bowyer, and R. J. O'Connell (2002) Localization of melanin in conidia of *Alternaria alternata* using phage display antibodies. *Molecular Plant-Microbe Interactions*, 15, 216-224. (IF 3.936)
3. Mangoni M.L., **Fiocco D.**, Mignogna G., Barra D., Simmaco M. (2003) Functional characterization of the 1-18 fragment of esculentin -1b, an antimicrobial peptide from *Rana esculenta*. *Peptides*, 24, 1771-1777. (IF 2.7)
4. Aceti , M.L. Mangoni, C. Pasquazzi, **D. Fiocco**, M. Marangi , R. Miele , B. Zechini, M. Borro, I. Versace, M. Simmaco (2006)  $\alpha$ -Defensin increase in peripheral blood mononuclear cells from patients with hepatitis C virus chronic infection. *Journal of Viral Hepatitis*, 13, 821-827. (IF<sub>2006</sub> 3.29)
5. M.E. Arena, **D. Fiocco**, M.C. Manca de Nadra, I. Pardo and G. Spano (2007) Characterization of a *Lactobacillus plantarum* strain able to produce tyramine and partially cloning of a putative tyrosine decarboxylase gene. *Current Microbiology*, 55, 205-210. (IF 1.07)
6. Beneduce L., G. Spano, A.Q. Nabi, V. Terzi, **D. Fiocco** and S. Massa (2007). Assessment of a quantitative PCR method for the detection of *Helicobacter pylori* in environmental samples. *Fresenius Environmental Bulletin (FEB)*, 16, 749-755. (IF 0.452)
7. **D. Fiocco**, V. Capozzi, P. Goffin, P. Hols and G. Spano (2007). Improved adaptation to heat, cold, and solvent tolerance in *Lactobacillus plantarum*. *Applied Microbiology and Biotechnology* 77, 909-915. (IF 2.44)

8. **D. Fiocco**, E. Crisetti, V. Capozzi and G. Spano (2008) Validation of an internal control to apply reverse transcription quantitative PCR to study heat, cold and ethanol stresses in *Lactobacillus plantarum*. *World Journal of Microbiology and Biotechnology*, 24:899-902.(IF 0.472)
9. **D. Fiocco**, M. Collins, L. Muscariello, P. Hols, M. Kleerebezem, T. Msadek, and G. Spano. (2009) The *Lactobacillus plantarum ftsH* gene is a novel member of the CtsR stress response regulon. *Journal of Bacteriology* 191:1688–1694. (IF: 4.013)
10. V. Capozzi, **D. Fiocco**, M.L. Amodio, A. Gallone and G. Spano (2009). Bacterial Stressors in Minimally Processed Food. *International of Journal Molecular Science* 10:3076-3105. (IF 0.75)
11. **D. Fiocco**, V. Capozzi, M. Collins, A. Gallone, P. Hols, J. Guzzo, S. Weidmann, A. Rieu, T. Msadek and G. Spano (2010). Characterization of the CtsR stress response regulon in *Lactobacillus plantarum*. *Journal of Bacteriology* 192:896–900 (IF: 4.013)
12. D.Fiorentino, A.Gallone, **D. Fiocco**, G. Palazzo, A. Mallardi (2010). Mushroom Tyrosinase in Polyelectrolyte Multilayers as an Optical Biosensor for *o*-diphenols. *Biosensors and Bioelectronics* 25:2033-2037 (IF 5.14).
13. V. Capozzi, S. Weidmann, **D. Fiocco**, A. Rieu, P. Hols, J. Guzzo and G. Spano (2011). Inactivation of a small heat shock protein affects cell morphology and membrane fluidity in *Lactobacillus plantarum* WCFS1. *Research in Microbiology*. **162**:419-425. (IF 2.889)
14. **D. Fiocco**, D. Fiorentino, L. Frabboni, S. Benvenuti, G. Orlandini, F. Pellati, and A. Gallone. (2011) Lavender and peppermint essential oils as effective mushroom tyrosinase inhibitors: a basic study. *Flavour and Fragrance Journal*. 26, 441–446. (IF 1.824)
15. P. Bove, V. Capozzi, **D. Fiocco**, G. Spano. (2011) Involvement of the sigma factor sigma H in the regulation of a small heat shock gene in *Lactobacillus plantarum* WCFS1. *Annals of Microbiology*. DOI 10.1007/s13213-011-0283-9. (IF 0.358)
16. Capozzi V., Arena M. P., Crisetti E., Spano G., **Fiocco D.** (2011) The hsp 16 gene of the probiotic *Lactobacillus acidophilus* is differently regulated by salt, high temperature and acidic stresses as revealed by reverse transcription quantitative PCR (qRT-PCR) analysis. *International Journal of Molecular Science* 12(8), 5390-5405; doi:10.3390/ijms12085390. (IF 2.464)
17. V. Capozzi, **D. Fiocco**, S. Weidmann, J. Guzzo and G. Spano (2012). Increasing membrane protection in *Lactobacillus plantarum* cells overproducing small heat shock proteins. *Annals of Microbiology*. DOI 10.1007/s13213-011-0285-7. (IF 0.358).
18. Bove P., Capozzi V., Garofalo C., Rieu A., Spano G., **Fiocco D.** (2012) Inactivation of the *ftsH* gene of *Lactobacillus plantarum* WCFS1: effects on growth, stress tolerance, cell surface properties and biofilm formation. *Microbiological Research* 167,187– 193 (MICRES-D-11-00162R1 doi:10.1016/j.micres.2011.07.001). (IF 1.771)
19. Capozzi V., Russo P., Ladero V., Fernández M., **Fiocco D.**, Alvarez M.A., Grieco F., Spano G. (2012) Biogenic amines degradation by *Lactobacillus plantarum*: toward a potential application in wine. *Frontiers in Microbiology*;3:122. doi: 10.3389/fmicb.2012.00122.
20. Capozzi V, Russo P, Fragasso M, De Vita P, **Fiocco D**, Spano G. (2012) Biotechnology and pasta-making: lactic Acid bacteria as a new driver of innovation. *Frontiers in Microbiology* ;3:94. doi: 10.3389/fmicb.2012.00094
21. P. Bove, A. Gallone, P. Russo, V. Capozzi, M. Albenzio, G. Spano, **D. Fiocco**. (2012) Probiotic features of *Lactobacillus plantarum* mutant strains. *Applied Microbiology and Biotechnology* 96:431–441. DOI: 10.1007/s00253-012-4031-2. (IF 3.689)
22. P. Russo, P. López , V. Capozzi , P. F. de Palencia , M. T. Dueñas , G. Spano, **D. Fiocco**. (2012) Beta-glucans improve growth, viability and colonization of probiotic microorganisms. *International of Journal Molecular Science*, 13, 6026-6039; doi:10.3390/ijms13056026. (IF 2.279)

23. Russo P, Mohedano ML, Capozzi V, Fernández de Palencia P, López P, Spano G, **Fiocco D.** (2012) Comparative proteomic analysis of *Lactobacillus plantarum* WCFS1 and  $\Delta$ ctsR mutant strains under physiological and heat stress conditions. *International of Journal Molecular Science*, 13, 10680-10696; doi:10.3390/ijms130910680. (IF 2.279).
24. Arciuli M, **Fiocco D**, Cicero R, Maida I, Zanna PT, Guida G, Horsberg TE, Koppang EO, Gallone A. (2012) Melanogenesis in visceral tissues of *Salmo salar*. A link between immunity and pigment production? *Biochemistry and Cell Biology* 90(6):769-78. doi: 10.1139/o2012-033. (IF 2.673)
25. Bove P, Russo P, Capozzi V, Gallone A, Spano G, **Fiocco D.** (2013) *Lactobacillus plantarum* passage through an oro-gastro-intestinal tract simulator: carrier matrix effect and transcriptional analysis of genes associated to stress and probiosis. *Microbiological Research*; 168: 351– 359. doi:10.1016/j.micres.2013.01.004 (IF 2.308).
26. Russo P, Capozzi V, Arena MP, Spadaccino G, Dueñas MT, López P, **Fiocco D**, Spano G.(2014) Riboflavin-overproducing strains of *Lactobacillus fermentum* for riboflavin-enriched bread. *Appl Microbiol Biotechnol* 98:3691–3700. (IF 3.689)
27. Arena MP, Caggianiello G, **Fiocco D**, Russo P, Torelli M, Spano G, Capozzi V. (2014). Barley  $\beta$ -Glucans-Containing Food Enhances Probiotic Performances of Beneficial Bacteria. *Int J Mol Sci*. 2014 Feb 20;15(2):3025-39. doi: 10.3390/ijms15023025 (IF 2.464).
28. Perna, G., Lasalvia, M., D'Antonio, P., Mallardi, A., Palazzo, G., **Fiocco, D.**, Gallone, A., Cicero R., Capozzi, V. Morphology of synthetic DOPA-eumelanin deposited on glass and mica substrates: An atomic force microscopy investigation (2014) *Micron* 64, 28-33. doi: 10.1016/j.micron.2014.03.016 (IF 1.876)
29. M.P. Arena, P. Russo, V. Capozzi, P. López, **D. Fiocco**, G. Spano. Probiotic abilities of riboflavin-overproducing *Lactobacillus* strains: a novel promising application of probiotics (2014) *Appl Microbiol Biotechnol*. 98(17):7569-7581. doi:10.1007/s00253-014-5837-x.
30. M. Arciuli, A. Brunetti, **D. Fiocco**, V. Zacchino, G. Centoducati, A. Aloj, R. Tommasi, A. Santeramo, E. De Nitto and A. Gallone. A multidisciplinary study of the extracutaneous pigment system of European sea bass (*Dicentrarchus labrax* L.). A possible relationship between kidney disease and dopa oxidase activity level. (2015) *Fish and Shellfish Immunology*. 42: 184-192. DOI: 10.1016/j.fsi.2014.10.031
31. Russo P, Iturria I, Mohedano ML, Caggianiello G, Rainieri S, **Fiocco D**, Angel Pardo M, López P, Spano G. (2015) Zebrafish gut colonization by mCherry-labelled lactic acid bacteria. *Appl Microbiol Biotechnol*. 99(8):3479-90. doi: 10.1007/s00253-014-6351-x (IF 2014 3.33)
32. M. P. Arena, P. Russo, V. Capozzi, A. Rascon, G. Felis, G. Spano, **D. Fiocco** (2016) Combinations of cereal  $\beta$ -glucans and probiotics can enhance the anti-inflammatory activity on host cells by a synergistic effect. *Journal of Functional Foods* 23, 12-23. DOI: 10.1016/j.jff.2016.02.015
33. **D. Fiocco**, M. Arciuli, MP Arena, S. Benvenuti, A. Gallone. (2016). Chemical composition and the anti-melanogenic potential of different essential oils. *Flavour and Fragrance Journal* 31, 255-261; DOI 10.1002/ffj.3315.
34. M. P. Arena, A. Silvain, G. Normanno, F. Grieco, D. Drider, G. Spano, **D. Fiocco** (2016) Use of *Lactobacillus plantarum* strains as a bio-control strategy against food-borne pathogenic microorganisms. *Frontiers in Microbiology* 7:464. DOI: 10.3389/fmicb.2016.00464
35. Mendoza-Llerenas EO, Pérez DJ, Gómez-Sandoval Z, Escalante-Minakata P, Ibarra-Junquera V, Razo-Hernández RS, Capozzi V, Russo P, Spano G, **Fiocco D**, Osuna-Castro JA, Moreno A. (2016) *Lactobacillus plantarum* WCFS1  $\beta$ -Fructosidase: Evidence for an Open Funnel-Like Channel through the Catalytic Domain with Importance for the Substrate Specificity. *Applied Biochemistry and Biotechnology* 180(6):1056-1075. DOI 10.1007/s12010-016-2152-2.

36. Russo P, Arena MP, **Fiocco D**, Capozzi V, Drider D, Spano G. (2017) *Lactobacillus plantarum* with broad antifungal activity: a promising approach to increase safety and shelf-life of cereal-based products. *International Journal of Food Microbiology* 247, 48-54. doi: 10.1016/j.ijfoodmicro.2016.04.027
37. Arena MP, Capozzi V, Spano G, **Fiocco D**. (2017). The potential of lactic acid bacteria to colonize biotic and abiotic surfaces and the investigation of their interactions and mechanisms. *Appl Microbiol Biotechnol.* 101:2641–2657. DOI: 10.1007/s00253-017-8182-z.
38. Arciuli M, **Fiocco D**, Fontana S, Arena MP, Frassanito MA, Gallone A. (2017) Administration of a polyphenol-enriched feed to farmed sea bass (*Dicentrarchus labrax* L.): Kidney melanomacrophages response. *Fish Shellfish Immunol.* 68:404-410. doi: 10.1016/j.fsi.2017.07.043.
39. Pérez-Ramos A, Mohedano ML, López P, Spano G, **Fiocco D**, Russo P, Capozzi V. (2017) In Situ  $\beta$ -Glucan Fortification of Cereal-Based Matrices by *Pediococcus parvulus* 2.6: Technological Aspects and Prebiotic Potential. *Int J Mol Sci.* 18(7). pii: E1588. doi: 10.3390/ijms18071588.
40. Arena MP, Elmastour F, Sane F, Drider D, **Fiocco D**, Spano G, Hober D. (2018) Inhibition of coxsackievirus B4 by *Lactobacillus plantarum*. *Microbiol Res.* 210:59-64. doi: 10.1016/j.micres.2018.03.008.
41. Arena MP, Capozzi V, Russo P, Drider D, Spano G, **Fiocco D**. (2018) Immunobiosis and probiosis: antimicrobial activity of lactic acid bacteria with a focus on their antiviral and antifungal properties. *Appl Microbiol Biotechnol.* 102(23):9949-9958. doi: 10.1007/s00253-018-9403-9.
42. Gheziel C, Russo P, Arena MP, Spano G, Ouzari HI, Kheroua O, Saidi D, **Fiocco D**, Kaddouri H, Capozzi V. (2019) Evaluating the Probiotic Potential of *Lactobacillus plantarum* Strains from Algerian Infant Feces: Towards the Design of Probiotic Starter Cultures Tailored for Developing Countries. *Probiotics Antimicrob Proteins.* 11(1):113-123. doi: 10.1007/s12602-018-9396-9.
43. Arena MP, Capozzi V, Longo A, Russo P, Weidmann S, Rieu A, Guzzo J, Spano G and **Fiocco D**. (2019) The phenotypic analysis of *Lactobacillus plantarum* shsp mutants reveals a potential role for hsp1 in cryotolerance. *Front. Microbiol.* 10:838. doi: 10.3389/fmicb.2019.00838
44. **Fiocco D.**, Longo A., Arena M. P., Russo P., Spano G., Capozzi V. (2020) How probiotics face food stress: They get by with a little help. *Critical Reviews in Food Science and Nutrition* 60(9):1552-1580. doi: 10.1080/10408398.2019.1580673.
45. Russo P., **Fiocco D.**, Albenzio M. , Spano G. and Capozzi V. (2020) Microbial populations of fresh and cold stored donkey milk by high-throughput sequencing provide indication for a correct management of this high value product. *Applied Sciences* 10, 2314; doi:10.3390/app10072314.

#### List of publications on peer-review international journals without IF

1. **D. Fiocco**, V. Capozzi, and G. Spano (2007) Sulphite stress induce small heat shock genes in wine *Lactobacillus plantarum*. *Research Journal of Microbiology* 2, 838-844. DOI: [10.3923/jm.2007.838.844](https://doi.org/10.3923/jm.2007.838.844).
2. **D. Fiocco**, I. Pardo, C. Palermo, S. Massa and G. Spano (2007) Biogenic amines formation in fermented beverages: Targets, Tools and Triumphs. Invited review, *Food*, 1, 49-55. ISSN 1749-7140.
3. Capozzi V., Spano G., **Fiocco D**. (2012) Transdisciplinarity and microbiology education. *Journal of microbiology and biology education* 13(1), 70-73. ISSN: 1935-7885 doi: 10.1128/jmbe.v13i1.365; PMID: PMC3577305

4. M.P. Arena, **D. Fiocco**, S. Massa, V. Capozzi, P. Russo, G. Spano (2014) Lactobacillus plantarum as a Strategy for an In Situ Production of Vitamin B2. *Journal of Food & Nutritional Disorders* S1-004, doi:10.4172/2324-9323.S1-004 (ISSN: 2324-9323)
5. Arena MP, Caggianiello G, Russo P, Albenzio M, Massa S, **Fiocco D**, Capozzi V, Spano G. Functional Starters for Functional Yogurt. (2015) *FOODS*, vol. 14, p. 15-33, ISSN: 2304-8158, doi: 10.3390/foods30x000x
6. Arena MP, Spano G, **Fiocco D**. (2017)  $\beta$ -Glucans and Probiotics. *American Journal of Immunology* 2017, 13 (1): 34-44. DOI: 10.3844/ajisp.2017.34.44.

### Contributions to Book Chapters

1. Simmaco M., Mangoni M. L., Miele R., Borro M., **Fiocco D.**, Barra D., Ascenzi P., Ponticelli F., Visca P. (2003) Defence peptides in the amphibian immune system. *In Bacterial, Plant & Animal Toxins*. Editors: Paolo Ascenzi, Fabio Polticelli and Paolo Visca. S.G. Pandalaid, Research Signpost eds, Trivandrum (India), pp. 155-167.
2. M.L. Mangoni, **D. Fiocco**, D. Barra, and M. Simmaco (2006) Bombinins. *In Handbook of Biologically Active Peptides*, pp. 333-339. Editor: Abba J. Kastin, Academic Press, Elsevier.
3. L. Beneduce, **D. Fiocco**, and Giuseppe Spano (2007) Development of molecular tools for the detection of emerging food- and water-borne pathogenic bacteria. *In Communicating Current Research and Educational Topics and Trends in Applied Microbiology*, Microbiology book series, Editor: A. Mendez Vilàs, pp569-576. ISBN-13: 978-84-611-9421-6. FORMATEX, Badajoz (Spain)
4. P. Russo, G. Spano, M.P. Arena, V. Capozzi, **D. Fiocco**, F. Grieco and L. Beneduce. (2010) Are consumers aware of the risks related to Biogenic Amines in food? in "Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology" pp 1087-1095, vol.2, Formatex Research Center, Editor: A. Mendez Vilas.
5. V. Capozzi, **D. Fiocco** and G. Spano (2011) Response of Lactic Acid Bacteria to cold stress, *In Stress response of Lactic Acid Bacteria*, eds K. Papadimitriou and E. Tsakalidou, Food Microbiology and Food Safety, Chapter 5, pp91-110. DOI 10.1007/978-0-387-92771-8\_5, Springer Science-Business Media, LLC 2011, New York.
6. Bove, P., **D. Fiocco**, A. Gallone, C. Perrotta, F. Grieco, G. Spano and Capozzi, V. (2012) Abiotic Stress Responses in Lactic Acid Bacteria, chapter 13 in "Stress Responses of Foodborne Microorganisms", pp 355-403. Nova Science Publishers, Inc. Editor H. Wong. Advances in Food Safety and Food Microbiology (Series Editors: Dr. Anderson de Souza) Nova Science Publishing, Hauppauge, New York (USA) (ISBN: 978-1-61122-810-6).
7. V. Capozzi, M.P. Arena, P. Russo, G. Spano and **D. Fiocco**. (2015) Stressors and Food Environment: Toward Strategies to Improve Robustness and Stress Tolerance in Probiotics in *Probiotics, prebiotics, and synbiotics - Bioactive food in health promotion*, chapter 16 pp. 245-256; Editors: RR Watson, VR Preedy; Academic Press, Elsevier (ISBN: 978-0-12-802189-7)
8. M. P. Arena, P. Russo, **D. Fiocco**, V. Capozzi and G. Spano. (2015)  $\beta$ -Glucans and Synbiotic Foods in *Probiotics, prebiotics, and synbiotics - Bioactive food in health promotion*, chapter 28 pp. 423-433; Editors: RR Watson, VR Preedy; Academic Press, Elsevier (ISBN: 978-0-12-802189-7).
9. V. Alexandraki, M. Kazou, A. Angelopoulou, M.P. Arena, V. Capozzi, P. Russo, **D. Fiocco**, G. Spano, K. Papadimitriou, E. Tsakalidou. (2016) The Microbiota of Non-cow Milk and Products in *Non-Bovine Milk and Milk Products*, chapter 6 pp.117-159; Editors: E. Tsakalidou and K. Papadimitriou; Academic Press, Elsevier, London, UK (ISBN: 978-0-12-803361-6).
10. P. Russo, G. Caggianiello, M. P. Arena, **D. Fiocco**, V. Capozzi and G. Spano. (2016) The lactic acid bacteria of fermented fruits and vegetables pp. 19-36 in *Lactic Acid Fermentation of Fruits and Vegetables*. Editor S. Paramithiotis. CRC Food Biology Series, New York (ISBN 9781498726900).

11. Arena M.P., P. Russo, **D. Fiocco**, G. Spano. (2016) Industrial microorganisms: tolerance to antibiotics and application of antimicrobial agents, in *Microbial Applications. Recent Advancements and Future Developments*, chapter 10, pp. 213-236. Editors: Kumar Gupta V., Zeilinger S., Ferreira Filho E., Carmen Durán-Dominguez-de-Bazua M., Purchase D. De Gruyter, Berlin-Boston. (ISBN 978-3-11-041278-9).
12. Arena MP, P. Russo, G. Spano, V. Capozzi, **D. Fiocco**. (2018) Exopolysaccharides Produced by Lactic Acid Bacteria and Their Role in the Food Industry, in *Microbial Cell Factories.*, chapter 2, pp.21-50. Editors: Deepansh Sharma, Baljeet Singh Saharan. Boca Raton, CRC Press (eBook ISBN 9781351668057).

Foggia, June 11 2020

Daniela Fiocco

A handwritten signature in black ink that reads "Daniela Fiocco". The signature is written in a cursive style with a large, stylized initial 'D'.