



Name Surname: Bruno Mezzetti  
Position: Full Professor  
Name of institute: Department of  
Agricultural, Food and Environmental  
Sciences – Università Politecnica delle  
Marche

Telephone: 00390712204933

Fax: 00390712204856

Email: b.mezzetti@univpm.it

### **Prof. Bruno Mezzetti**

- UFFICIALE della Repubblica Italiana, conferito dal Presidente Mattarella, controfirmato Presidente Draghi, Aprile 2021.
- Highly Cited Researcher Clarivate 2020.
- Highly Cited Researcher Web of Science 2019.
- Full Professor in Fruit Crop Breeding and Biotechnology (AGR03), Department of Agricultural, Food and Environmental and Crop Science (D3A), Marche Polytechnic University – Ancona (IT).
- Director of the PhD program in Agricultural, Food and Environmental and Crop Science, Marche Polytechnic University (<http://www.d3a.univpm.it/>).
- Member of the Academic Senate of the Marche Polytechnic University, from 2009 to 2015.
- Director of the Department of Agricultural, Food and Environmental and Crop Science, Marche Polytechnic University (<http://www.d3a.univpm.it/>), from 2011 to 2015.
- Director of the Department of Agricultural and Environmental Sciences, Marche Polytechnic University (<http://www.d3a.univpm.it/>), from 2009 to 2010.
- Chairman of the first and second level degree courses in Agricultural Science and Technology, 2009 to 2011
- Local Coordinator of the UNIDO Long Distance Second Level GMO Biosafety, from 2006 to 2017.
- Faculty Delegate of the ERASMUS program, from 2001 to 2011.
- In charge of teaching courses on Fruit culture, breeding and biotechnology.

### Academic career

- 1988 Degree in "Agricultural Science - Crop Production" at the University of Bologna.
- 1992 Ph.D. in 'Fruit Crop Production', University of Bologna.
- 1993 Research contract for the EU project "Expanding the adaptation and production area of Rubus in Europe" at University of Ancona, Italy.
- 1994 – Research Position at University of Ancona.
- 2001 – Associate Professor at Università Politecnica delle Marche, Ancona, IT.
- 2006 – Full Professor at Università Politecnica delle Marche, Ancona, IT, Scientific Sector AGR03 Arboriculture.

### International research training and activities

- 1990 - 1992 eighteen months of research stage, included in the Ph.D. program, at the USDA-ARS Fruit Laboratory and Plant Molecular Biology Laboratory (Beltsville MD-USA).
- Visiting scientist at CPRLO-DLO, Plant Development Lab., Wageningen (NL); HRI East

Malling (UK).

- Other periods of stage, research activities and invited professor in United Kingdom, Chile, Senegal, Taiwan, Kenya, China.

Scientific responsible for the following National Projects:

1. MiPAF 'Fruit cultivars evaluation: stone fruits, pear and berries'.
2. MiPAF 'Fruit breeding and genetic improvement of strawberry and plum'.
3. CNR - Biotechnology II: Expression pattern of MADS-box transcription factors and their use to engineer parthenocarpic transgenic plants in fruit plants.
4. MURST 40%: rolC genes in strawberry and their effect on biochemical and morphological plant development.
5. MIUR-Prin 2002 project 2002078882\_002. Improved fruit productivity and quality in strawberry and raspberry by using the DefH9-iaaM gene and its derivatives.
6. MIUR-Firb 2002 project RBAU01JTHS – Studies on plant fertility and fruit development in DefH9-iaaM GM strawberry, raspberry and table grape.
7. MIUR- PRIN 2003 Sustainable management of the rootstock/scion interaction system in the mid-Adriatic growing conditions and effects on plant development, fruit quality and nutritional value.
8. MIUR- PRIN 2005 Study of qualitative and nutritional changes in stone fruit induced by the rootstocks, the plant architecture and the environment.
9. 2007 LR37 Local vegetable Biodiversity
10. 2009 Research contract BARILLA spa, *RED FRUIT* at high nutritional value.
11. 2009 Research contract ASSAM – To promote local horticultural production and diversification.
12. 2010 Minister of Agriculture OIGA DM 18829/7818 – TIPICAMEDIOADRIATICO – In vitro culture and nursery propagation techniques for the valorization of local fruit varieties.
13. 2011 Regione Sicilia – SICILBERRY 2 Crop diversification in Ragusa e Siracusa area with the introduction of out of season berry production (Project coordinator).
14. 2012 Minister of University PRIN12 – Molecular strategies for the induced resistance to PPV virus in peach and apricot (Project coordinator).
15. 2013 Minister of University MIUR – CULTURE 6/2000 – D.D. 369 del 26/06/2012 art.16 comma 5. Progetto ACPR12\_00410, Laboratory for agriculture biotechnology: innovation and risk assessment (Project coordinator).
16. 2016 ENOTRIA: mutagenesi e biotecnologie per resistenze genetiche nel vitigno Glera (Project coordinator).
17. 2016 AMPELOS: mutagenesi e biotecnologie per resistenze genetiche nei vitigni Chardonnay e Merlot (Project coordinator).
18. 2019 IVI: mutagenesi e biotecnologie per resistenze genetiche nei vitigni Lambrusco e Ancellotta (Project coordinator).
19. 2019 PSR Regione Marche: Highops\_28178: Adozione di tecniche innovative per la coltivazione e propagazione del luppolo nelle Marche.
20. 2019 MIUR-PRIN2017, N. 20173LBZM2, Titolo: Small RNAs and peptides for controlling diseases and development in horticultural plants (Project coordinator).

Scientific responsible of the following EU project:

1. 1996 Scientific and administrative co-ordinator of the EC Project AIR3 PL92-0325 - 'Expanding the adaptation and production of Rubus in Europe'.
2. 1997 National delegate for the W.G. 5 - 'Mechanism and Markers of regeneration and Genetic Stability' of the COST ACTION 822 - 'Development of integrated systems for large-scale propagation of elite plants using in vitro techniques'.

3. 2001 Chairman of the COST Action 836 - 'Toward an Organization of the Integrated Research in Berries: Model for a Strawberry of Quality, in Respect with the Environment Rules and Consumers Requirements'(...Integrated berry production...).
4. 2005 - Chairman EU-COST863 - Euroberry Research: from Genomics to Sustainable Production, Quality & Health ([http://cost.cordis.lu/src/action\\_detail.cfm?action=863](http://cost.cordis.lu/src/action_detail.cfm?action=863))
5. 2006 – Subcontract EU FP6 – FLAVO project. Project subcontractor.
6. 2007 EU DG AGRI-GENRES – GENRES: Berry genetic resource. Project research partner.
7. 2011 Coordinator of the FP7 KBBE EU project EUBerry: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Grant Agreement: 265942. Project coordinator.
8. 2013 EuropeAID ACP-EU Co-operation programme in Higher Education EDULINK II 083, Enhancing nutrition and food security through improved capacity of agriculture higher education in East and Southern Africa. Project research partner.
9. 2015 HORIZON 2020-SFS-2015, Project ID 679303-2, GoodBerry: Improving the stability of high-quality traits of berry in different environments and cultivation systems for the benefit of European farmers and consumers. Project research partner.
10. 2016 HORIZON 2020 - COST ACTION 15223 - Project Title: Modifying plants to produce interfering RNA. Project acronym: (iPlanta). Project coordinator.
11. 2018 EIT CLIMATE KIK: Sustainable fruit project (Friendly fruit) (Project partner).
12. 2019 HORIZON2020-PRIMA: Developing new strategies to protect strawberry crop in Mediterranean countries (MEDBERRY) (Project partner).
13. 2021 HORIZON2020-SFS28-1- IA - Grant agreement ID: 101000747 BreedingValue - Pre-breeding strategies for obtaining new resilient and added value berries (Project coordinator)

Activities specifically related to GM studies:

- Member of the National Competent Authority for EU Directive 2001/18 and 1829/2003 - Minister of Environment, for the evaluation of risk assessment trials with genetic manipulated plants, 2002-2005
- Member of working group on GMO organized by the National Committee for Biosafety and Biotechnology, 2002.
- Member of the National commission of the Minister of Health for the evaluation of risk assessment trials with genetic manipulated plants. 2000-2001
- Responsible for field trials with GM plants of strawberry, raspberry and table grape, authorised by the National Biotechnology Committee – Minister of Health.
- Participation at the workshop “Biosafety 1. Science and Policy Risk Assessment of Transgenic Organism; a case study approach”, organized by ICGEB, Trieste (IT).

Evaluation and Referees Activity

Member of different evaluation panel for different national and international institutions:

- MIUR – Italian research programs PRIN e FIRB
- MIUR ANVUR – University research evaluation (VQR)
- Eligible member of the committee for the national professorship habilitation (ASN)
- Minister of Agriculture, CRA – member of internal committee for the CRA staff research career.
- Member of different evaluation and referee pannels of the EU DG Research (Marie Curie, FP6 and FP7) and of DG AGRI (GENRES program).
- ANR – Agence Nationale de la Reserche - Blanc programme transnational collaboration bilateral agreement, edition 2012 e 2013.
- The New Zealand Institute for Plant and Food Research Limited.
- The State Treasury – Minister of Science and Higher Education, Poland, Research infrastructure project to be included in the Polish Roadmap for Research Infrastructures.

## Curriculum vitae Prof. Bruno Mezzetti

- Member of the Editorial Board of the Journal Berry Research.
- Referee activities of different International Scientific Journals in the area of horticultural production, breeding biotechnology and fruit nutritional quality.
- Convener of 4 International ISHS Congress, including the berry symposiums organized for the IHC2010 in Lisbon (PT) and IHC2014 in Brisbane (AU).

### Member of the following Scientific Societies:

- ISHS - "International Society for Horticultural Science" – Sections: Biotechnology; Fruits.
- IAPTC – 'International Society Plant Tissue Culture'
- SOI - "Italian Horticulture Society", section Fruit-culture, now also member of the directive council.
- SIGA - "Italian Plant Genetic Society".

### Awards

- ISHS medal award as convener of the International Symposium on Berries: From Genomics to Sustainable Production, Quality and Health. Lisbon (PT) IHC2010.
- ISHS medal award as convener of the I International Berry Fruit Symposium: Interactions! Local and Global Berry Research and Innovation. Brisbane (AU) IHC2014.

### Scientific output

The scientific outputs from all research activities can be summarized with the following results from:

- *Web-of Science*: Total papers= 153, Sum of the times cited= 4552, Average Citation per items 30.87; Sum of time Cited without self-citation=3857, Without self-citations: 2713, **h-index: 35**  
[https://apps.webofknowledge.com/CitationReport.do?product=WOS&search\\_mode=CitationReport&SID=E3gGAdXZJIKKRCb2uYE&page=1&cr\\_pqid=1&viewType=summary&colName=WOS](https://apps.webofknowledge.com/CitationReport.do?product=WOS&search_mode=CitationReport&SID=E3gGAdXZJIKKRCb2uYE&page=1&cr_pqid=1&viewType=summary&colName=WOS)
- *SCOPUS*: **Total papers=185**. Citations: 5227, total citations by 3260 documents. **h-index: 39**.  
<https://www.scopus.com/authid/detail.uri?authorId=6603323795>

### Patents and privatives

#### *Patent on methods:*

1. Inventori: Navacchi O, Mezzetti B, Zuccherelli G, Spina A. Tipologia: **Invenzioni**. Titolo: Methods for plant propagation and genetic transformation. Patent: IPO 2000A-000305.
2. Inventori *Battino M, Capocasa F., Castellucci M., Ciavattini A., Forbez Hernandez T., Gasparrini M., Giampieri F., Giangiubilo SR, Greco S., Janjusevic M., Mazzoni L., Mezzetti B., Pasquapina C., Soriful I.* Tipologia: **Invenzioni**. Titolo: "estratto concentrato di frutti di fragole con alta capacita' antiossidante per il trattamento e la prevenzione dei leiomiomi uterini e metodo per l'ottenimento dell'estratto". Domanda numero: **102016000089627 (UA2016A006365)**. Data Deposito: 05 settembre 2016. Data di Pubblicazione 06 marzo 2018.

#### *Plant privatives:*

1. 2003 1797 06/10/03 *Fragaria* × *ananassa* Duchesne ex Rozier). Cv. **ADRIA**
2. 2003 1796 06/10/03 *Fragaria* × *ananassa* Duchesne ex Rozier) Cv. **SVEVA**
3. 2007 2925 19/12/07 *Prunus persica* Cv. **CONCETTINA**
4. 2011 1275 16/05/11 *Fragaria* × *ananassa* Duchesne ex Rozier) Cv. **ROMINA**
5. 2011 1274 16/05/11 *Fragaria* × *ananassa* Duchesne ex Rozier). Cv. **CRISTINA**
6. 2019 2655 31/10/2019 *Fragaria* × *ananassa* Duchesne ex Rozier) Cv. **DINA**
7. 2019 2656 31/10/2019 *Fragaria* × *ananassa* Duchesne ex Rozier Cv. **FRANCESCA**
8. 2019 2657 31/10/2019 *Fragaria* × *ananassa* Duchesne ex Rozier Cv. **SILVIA**

*Curriculum vitae Prof. Bruno Mezzetti*

9. 2019 2654 31/10/2019 *Fragaria* × *ananassa* Duchesne ex Rozier Cv. **LAURETTA**

Ancona, 14/05/2021

Prof. Bruno Mezzetti

**More relevant publications on International Journals:**

1. Orsomando G., Lorenzi M., Raffaelli N., Dalla Rizza M., **Mezzetti B.**, Ruggieri S., 2001. Phytotoxic Protein PcF, Purification, Characterization, and cDNA Sequencing of a Novel Hydroxyproline-containing Factor Secreted by the Strawberry Pathogen *Phytophthora cactorum*. *J. Biol. Chem.* 2001 276: 21578-21584.
2. **Mezzetti B.**, L. Landi, B.H. Phan, L.Taruschio, Y.K. Lim, 2001. PEG-mediated fusion of *Rubus idaeus* (raspberry) and *R. fruticosus* (blackberry) and protoplast, selection and characterization of callus lines. *Plant Biosystem*, 135, 1:63:70.
3. **Mezzetti B.**, Tiziana Pandolfini, Oriano Navacchi, Lucia Landi, 2002. Genetic transformation of *Vitis vinifera* via organogenesis. *BMC Biotechnology* 2002, 2:18 : <http://www.biomedcentral.com/1472-6750/2/18>.
4. **Mezzetti B.**, Landi L, Pandolfini T, Spena A 2004. The defH9-iaaM auxin-synthesizing gene increases plant fecundity and fruit production in strawberry and raspberry. *BMC BIOTECHNOLOGY* 4.: 4 Published: MAR 15 2004 <http://www.biomedcentral.com/content/pdf/1472-6750-4-4.pdf>
5. Scalzo J., Politi A., **Mezzetti B.**, Battino M., 2005. Plant genotype and cultural condition interactions affecting fruits total antioxidant potential and polyphenolic contents. *Nutrition*, 21/2 pp 207-213.
6. Giorgi M., Capocasa F., Scalzo J., Murri G., Battino M., **Mezzetti B.**, 2005. The Rootstock Effects on plant adaptability and production, and fruit quality and nutrition, in the peach (cv. Suncrest). *Scientia Horticulturae*, 107:36-42.
7. Rotino G.L., Acciarri N., Sabatini E., Mennella G., Lo Scalzo R., Maestrelli A., Molesini B., Pandolfini T., Scalzo J., **Mezzetti B.**, Spena A., 2005. Open field trial of genetically modified parthenocarpic tomato: seedlessness and fruit quality. *BMC Biotechnology* 2005, 5:32 doi:10.1186/1472-6750-5-32.
8. Scalzo J, **Mezzetti B.**, Battino M., 2005. Total antioxidant capacity evaluation: Critical steps for assaying berry antioxidant features. *Biofactors*; 23(4):221-7.
9. Scalzo J, Battino M, Costantini E, **Mezzetti B.**, 2005. Breeding and biotechnology for improving berry nutritional quality. *Biofactors*; 23(4):213-20.
10. Landi L., **Mezzetti B.**, 2006. TDZ, auxin and genotype effects on leaf organogenesis in *Fragaria*. *Plant Cell Rep.*, 25(4):281-8.
11. **Mezzetti B.**, Costantini E., 2006. Strawberry (*Fragaria x ananassa*). In: *Agrobacterium Protocols* (2<sup>nd</sup> edition), K. Wang (ed.). *Methods Mol Biol.*; 344:287-95.
12. Costantini E, Landi L, Silvestroni O, Pandolfini T, Spena A, **Mezzetti B.**, 2007. Auxin synthesis-encoding Transgene Enhances fecundity. *Plant Physiol.*, 143(4):1689-94.
13. Capocasa F., Scalzo J., **Mezzetti B.**, Battino M., 2008. Combining quality and antioxidant attributes in the strawberry: the role of the genotype. *Food Chemistry*, 111:872-878.
14. Landi L., Capocasa F., Costantini E., **Mezzetti B.**, 2009. RolC strawberry plant adaptability, productivity, tolerance to soil-borne/diseases and mycorrhizal interaction. *Transgenic Research*, 18, (6): 933-942.
15. Tulipani S., Romandini S., **Capocasa F.**, **Mezzetti B.**, Battino M., 2010. The nutritional quality of strawberry (*Fragaria x ananassa*) after short-refrigeration: genetic influences. *Functional Plant Science and Biotechnology*, 4(1):84-89.
16. Araya-Quesada M., **Mezzetti B.** and Tzotzos G., 2010 Food safety considerations for the assessment of a genetically modified tomato fortified for folate production. *Mediterr J Nutr Metab* (2010) 3:1–8.
17. Diamanti J., Capocasa F., Battino M., **Mezzetti B.**, 2010. Evaluation of *F. x ananassa* intra-specific and inter-specific back-crosses to generate new genetic material with increased fruit nutritional quality. *Journal of Berry Research*, 1(2): 103-114.

18. Tulipani, S., Marzban, G., Herndl, A., Laimer, M., **Mezzetti, B.**, Battino, M., 2011. Influence of environmental and genetic factors on health-related compounds in strawberry. *Food Chemistry* 124 (3), pp. 906-913.
19. Diamanti J., Battino M., **Mezzetti B.**, 2011. Breeding for fruit nutritional and nutraceutical quality. In: Breeding for fruit quality. Jenks M. A. and Bebeli P.J., Ed. Wiley-Blackwell, pp: 61-82.
20. Tulipani S., J.M. Alvarez-Suarez, Busco F. Bompadre S., José L. Quiles, **Mezzetti B.**, Battino M., 2011. Strawberry consumption improve plasma antioxidant status and erythrocyte resistance to oxidative haemolysis in humans, *Food Chemistry*, 128: 180-186.
21. Picone G., **Mezzetti B.**, Babini E., Capocasa F., Placucci G., Capozzi F., 2011. Unsupervised principal component analysis of NMR metabolic profiles for the assessment of substantial equivalence of transgenic grapes (*Vitis vinifera*). *Journal of Agricultural and Food Chemistry*, 59(17):9271-9279.
22. Alvarez-Suarez JM, Dekanski D, Ristić S, Radonjić NV, Petronijević ND, Giampieri F, Astolfi P, González-Paramás AM, Santos-Buelga C, Tulipani S, Quiles JL, **Mezzetti B**, Battino M. 2011. Strawberry Polyphenols Attenuate Ethanol-Induced Gastric Lesions in Rats by Activation of Antioxidant Enzymes and Attenuation of MDA Increase. *PLoS One*. 6(10):e25878.
23. Giampieri F., Tulipani S., Alvarez-Suarez J. M., Quiles J. L., **Mezzetti B.**, Battino M.. 2012. The strawberry: Composition, nutritional quality, and impact on human health. *Nutrition*. Vol.28: 9–19.
24. Giampieri, F., Alvarez-Suarez, J.M., Tulipani, S., González-Paramás, A.M., Santos-Buelga, C., Bompadre, S., Quiles, J.L., **Mezzetti B.**, Battino, M. 2012. Photoprotective potential of strawberry (*Fragaria × ananassa*) extract against UV-A irradiation damage on human fibroblasts. *Journal of Agricultural and Food Chemistry* 60 (9), pp. 2322-2327.
25. Diamanti J., Capocasa F., Balducci F., Battino M., Hancock J., **Mezzetti B.**, 2012. Increasing Strawberry Fruit Sensorial and Nutritional Quality Using Wild and Cultivated Germplasm. *PLOS ONE*, 7(10), e46470.
26. Kruger E., Josuttis M., Nestby R., Toldam-Andersen T.B., Carlene C. and **Mezzetti B.** 2012. 1. Influence of growing conditions at different latitudes of Europe on strawberry growth performance, yield and quality. *Journal of Berry Research* 2, pp.143–157.
27. Diamanti J., Capocasa F., Denoyes B., Petit A., Chartier P., Faedi W., Maltoni M.L., Battino M., **Mezzetti B.**, 2012. Standardized method for evaluation of strawberry (*Fragaria x ananassa* Duch.) germplasm collections as a genetic resource for fruit nutritional compounds. *Journal of Food Composition and Analysis* 28 (2012) 170–178.
28. Giampieri F., Alvarez-Suarez J.M., Mazzoni L., Romandini S., Bompadre S., Diamanti, J., Capocasa F., **Mezzetti B.**, Battino M., 2013 The potential impact of strawberry on human health *Natural Product Research* 27 (4-5) , pp. 448-455.
29. Diamanti J., Capocasa F., Battino M., **Mezzetti B.** 2013. Inter-Specific Back-Crosses and Intra-Specific Crosses to Generate Strawberry Genetic Material with Increased Fruit Sensory and Nutritional Quality *International Journal of Fruit Science* 13 (1-2):196-204.
30. Mezzetti B. 2013. EUBerry: The Sustainable Improvement of European Berry Production, Quality, and Nutritional Value in a Changing Environment *International Journal of Fruit Science* 13 (1-2) , pp. 60-66.
31. Lemgo, G.N.Y., Sabbadini, S., Pandolfini, T., **Mezzetti, B.**, 2013. Biosafety considerations of RNAi-mediated virus resistance in fruit-tree cultivars and in rootstock *Transgenic Research* , 22 (6): 1073-1088.
32. Scalzo, J., Stanley, J., Alspach, P., **Mezzetti, B.**, 2013. Preliminary evaluation of fruit traits and phytochemicals in a highbush blueberry seedling population. *Journal of Berry Research*, Volume 3, Issue 2, 2013, Pages 103-111

33. **Mezzetti, B.**, 2013 Breeding and biotechnology for improving the nutritional quality of strawberry. *Journal of Berry Research*, Volume 3, Issue 3, 2013, Pages 127-133
34. Romandini, S., Mazzoni, L., Giampieri, F., Tulipani, S., Gasparrini, M., Forbes-Hernandez, T.Y., Locorotondo, N., D'Alessandro, M., **Mezzetti, B.**, Bompadre, S., Bompadre, S., Alvarez-Suarez, J.M., 2013. Effects of an acute strawberry (*Fragaria* × *ananassa*) consumption on the plasma antioxidant status of healthy subjects. *Journal of Berry Research*, Volume 3, Issue 3, 2013, Pages 169-179
35. Afriyie Debrah C., Ofori Amoako P., **Mezzetti B.**, Amorese V., 2014. Public Participation in Decision-Making on Activities on Gmos in Ghana. *International Journal of Science and Advanced Technology*, 4, 1, <http://www.ijSAT.com>. 36
36. Alvarez-Suarez, J.M., Giampieri, F., Tulipani, S., Casoli, T. Di Stefano, G., González-Paramás, A.M., Santos-Buelga, C., Busco, F., Quiles, J.L., Cordero, M.D., Bompadre, S., **Mezzetti, B.**, Battino, M., 2014. One-month strawberry-rich anthocyanin supplementation ameliorates cardiovascular risk, oxidative stress markers and platelet activation in humans. *Journal of Nutritional Biochemistry*, 25 (2014) 289–294.
37. Pertry, I., Sabbadini, S., Goormachtig, S., Lokko, Y., Gheysen, G., Burssens, S., **Mezzetti, B.**, 2014. Biosafety capacity building: Experiences and challenges from a distance learning approach. *New Biotechnology*, 31(1), 25:64-68.
38. Gullo, G., Motisi, A., Zappia, R., Dattola, A., Diamanti, J., **Mezzetti, B.**, 2014. Rootstock and fruit canopy position affect peach [*Prunus persica* (L.) Batsch] (cv. Rich May) plant productivity and fruit sensorial and nutritional quality. *Food Chemistry*, 153, 15: 234-242.
39. Tulipani S., Armeni T., Giampieri F., Alvarez-Suarez J.M., Gonzalez-Paramas A.M., Santos-Buelga C., Busco F., Principato G., Bompadre B., Quiles J.L., **Mezzetti B.**, Battino M., 2014. Strawberry intake increases blood fluid, erythrocyte and mononuclear cell defenses against oxidative challenge. *Food Chemistry* 156 (2014) 87–93.
40. Diamanti J., **Mezzetti B.**, Giampieri F., Alvarez-Suarez J.M., Quiles J.L., Gonzalez-Alonso A., Ramirez-Tortosa M.D., Granados-Principal S., González Paramás A.M., Santos-Buelga C., Battino M., 2014. Doxorubicin-induced oxidative stress in rats is efficiently counteracted by dietary anthocyanins-differently-enriched strawberry (*Fragaria* x *ananassa* Duch.). *J. of Agricultural and Food Chemistry*, 62 (18):3935-3943.
41. Pertry I., Nothegger C., Sweet J., Kuiper H., Davies H., Iserentant D, Hull R., **Mezzetti B.**, Messens K., De Loose M., de Oliveira D., Burssens S., Gheysen G., Tzotzos G., 2014. DTREEv2, a computer-based support system for the risk assessment of genetically modified plants. *New Biotechnology*, 31(2): 166-171.
42. Diamanti J., Mazzoni L, Balducci F., Cappelletti R., Capocasa F., Battino M., Dobson G., Stewart D., **Mezzetti B.**, 2014. Use of wild genotypes in breeding program increases strawberry fruit sensorial and nutritional quality. *Journal of Agricultural and Food Chemistry*, 62 (18): 3944-3953
43. Giampieri F, Alvarez-Suarez JM, Mazzoni L, Forbes-Hernandez TY, Gasparrini M, González-Paramàs AM, Santos-Buelga C, Quiles JL, Bompadre S, **Mezzetti B** and Battino M, 2014. Polyphenol-Rich Strawberry Extract Protects Human Dermal Fibroblasts against Hydrogen Peroxide Oxidative Damage and Improves Mitochondrial Functionality. *Molecules*, 19(6): 7798-7816.
44. Giampieri F, Alvarez-Suarez JM, Mazzoni L, Forbes-Hernandez TY, Gasparrini M, Gomzalez-Paramas A, Santos-Buelga C, Quiles JL, Bompadre S, **Mezzetti B** and Battino M, 2015. Anthocyanin-rich strawberry extract protects against oxidative stress damage and improves mitochondrial functionality in human dermal fibroblasts exposed to oxidant agent. *Food and Function*, 6(5):1386-1398.
45. Gasparrini, M., Forbes-Hernandez, T.Y., Afrin, S., Alvarez-Suarez, J.M., González-Paramàs, A.M., Santos-Buelga, C., Bompadre, S., Quiles, J.L., **Mezzetti, B.**, Giampieri, F., 2015. A pilot



- study of the photoprotective effects of strawberry-based cosmetic formulations on human dermal fibroblasts. *Int. J. of Molecular Sciences*, 16, (8): 17870-17884.
46. Cappelletti R., Sabbadini S., **Mezzetti B.**, 2015. Strawberry (*Fragaria × ananassa*). *Methods in Molecular Biology*, 1224:217-227.
  47. Diamanti J., Balducci F., Di Vittori L., Capocasa F., Berdini C., Bacchi A., Giampieri F., Battino M., **Mezzetti B.**, 2015. Physico-chemical characteristics of thermally processed pure fruit from different strawberry genotypes. *Journal of Food Composition and Analysis*, 43: 106–118.
  48. Mazzoni, L., Perez-Lopez, P., Giampieri, F., **Mezzetti, B.**, Battino, M., 2016. The genetic aspects of berries: From field to health. *Journal of the Science of Food and Agriculture*, 96 (2):365-371.
  49. Cappelletti R., Sabbadini S., **Mezzetti B.**, 2016. The use of TDZ for the efficient *in vitro* regeneration and organogenesis of strawberry and blueberry cultivars. *Scientia Horticulturae*, 207:117–124 doi:10.1016/j.scienta.2016.05.016
  50. Giampieri, F., Alvarez-Suarez, J.M., Gasparrini, M., (...), **Mezzetti, B.**, Battino, M., 2016. Strawberry consumption alleviates doxorubicin-induced toxicity by suppressing oxidative stress. *Food and Chemical Toxicology*, 94:128-137.
  51. Afrin, S., Gasparrini, M., Forbes-Hernandez, T.Y., (...), Reboredo-Rodriguez, P., **Mezzetti, B.**, Varela-López, Giampieri, F., Battino, M. Promising Health Benefits of the Strawberry: A Focus on Clinical Studies. *Journal of Agricultural and Food Chemistry*, 64 (22): 4435-4449
  52. Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., Bompadre, S., **Mezzetti, B.**, Quiles, J.L., Giampieri, F., Battino, M., 2016. The Healthy Effects of Strawberry Polyphenols: Which Strategy behind Antioxidant Capacity? *Critical Reviews in Food Science and Nutrition*, 56:S46-S59.
  53. Afrin, S., Giampieri, F., Gasparrini, M., (...), **Mezzetti, B.**, Battino, M., 2016. Document Chemopreventive and therapeutic effects of edible berries: A focus on colon cancer prevention and treatment. *Molecules*, 21 (2):169.
  54. Ariza, M.T., Reboredo-Rodríguez, P., Mazzoni, L., Forbes-Hernández, T.Y., Giampieri, F., Afrin, S., Gasparrini, M., Soria, C., Martínez-Ferri, E., Battino, M., **Mezzetti, B.**, 2016. Strawberry achenes are an important source of bioactive compounds for human health. *International Journal of Molecular Sciences*, 17, 7: Article number 1103.
  55. Amatori, S., Mazzoni, L., Alvarez-Suarez, J.M., Giampieri, F., Gasparrini, M., Forbes-Hernandez, T.Y., Afrin, S., Errico Provenzano, A., Persico, G., **Mezzetti, B.**, Amici, A., Fanelli, M., Battino, M., 2016. Polyphenol-rich strawberry extract (PRSE) shows *in vitro* and *in vivo* biological activity against invasive breast cancer cells. *Scientific Reports*, 6: 30917. <http://www.nature.com/articles/srep30917>
  56. **Mezzetti, B.**, Balducci F., Capocasa F., Zhong C.-F., Cappelletti R; Di Vittori L; Mazzoni L, Giampieri F., Battino M., 2016. Breeding Strawberry for Higher Phytochemicals Content and Claim It: Is It Possible? *International Journal of Fruit Science*, Pages: 1-13.
  57. Capocasa F., Balducci F., Di Vittori L., Mazzoni L., Stewart D., Williams S., Hargreaves R., Bernardini D., Danesi L., Zhong C., **Mezzetti B.**, 2016. Romina and Cristina: Two New Strawberry Cultivars with High Sensorial and Nutritional Values. *International Journal of Fruit Science*, Pages: 1-13, Published: SEP 12 2016
  58. Cappelletti R., Balducci F., Diamanti J., Mazzoni L., Capocasa F., Battino M., **Mezzetti B.**, 2016. Agronomic and nutritional quality, and fresh and processing attitude, of globe artichoke (*Cynara cardunculus* L. var. scolymus) cultivars and an Italian landrace. *Journal of Horticultural Sciences & Biotechnology*, Volume: 91, Issue: 6, Pages: 634-644.

59. Gasparrini M., Forbes-Hernandez T.Y., Giampieri F., **Mezzetti B.**, Quiles J.L., Battino M., 2017. Anti-inflammatory effect of strawberry extract against LPS-induced stress in RAW 264.7 macrophages. *Food and Chemical Toxicology*, 102, pp. 1-10.
60. Gasparrini, M., Forbes-Hernandez, T.Y., Giampieri, F., **Mezzetti B.**, Bompadre, S., Battino, M., 2017. Protective effect of strawberry extract against inflammatory stress induced in human dermal fibroblasts. *Molecules*, 22 (1), 22010164.
61. Islam M.S., Giampieri F., Janjusevic M., **Mezzetti B.**, Battino M., Ciarmela P., 2017. An anthocyanin rich strawberry extract induces apoptosis and ROS while decreases glycolysis and fibrosis in human uterine leiomyoma cells. *Oncotarget*, 8 (14), pp. 23575-23587.
62. Giampieri, F., Alvarez-Suarez, J.M., Cordero, M.D., (...), **Mezzetti, B.**, Battino, M. 2017. Strawberry consumption improves aging-associated impairments, mitochondrial biogenesis and functionality through the AMP-activated protein kinase signaling cascade. *Food Chemistry*, 34, pp. 464-471.
63. Giampieri, F., Alvarez-Suarez, J.M., Gasparrini, M., (...), **Mezzetti, B.**, Battino, M., 2017. Data on body weight and liver functionality in aged rats fed an enriched strawberry diet. *Data in Brief*, 13, pp. 432-436.
64. Forbes-Hernández, T.Y., Giampieri, F., Gasparrini, M., **Mezzetti B.**, Quiles, J.L., Battino, M., 2017. Lipid accumulation in HepG2 cells is attenuated by strawberry extract through AMPK activation *Nutrients*, 9 (6), 621.
65. Gasparrini, M., Forbes-Hernandez, T.Y., Afrin, S., **Mezzetti B.**, Battino, M., Giampieri, F., 2017. Strawberry-based cosmetic formulations protect human dermal fibroblasts against UVA-induced damage. *Nutrients*, 9 (6), 605.
66. Giampieri, F., Forbes-Hernandez, T.Y., Gasparrini, M., (...), **Mezzetti B.**, Battino, M., 2017. The healthy effects of strawberry bioactive compounds on molecular pathways related to chronic diseases. *Annals of the New York Academy of Sciences*. 1398 (1), pp. 62-71.
67. Battino, M., Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., Mezzetti, B. and Giampieri, F. (2017). The effects of strawberry bioactive compounds on human health. *Acta Hort.* 1156, 355-362, DOI: 10.17660/ActaHortic.2017.1156.54 <https://doi.org/10.17660/ActaHortic.2017.1156.54>
68. Zhong, C.F., Mazzoni, L., Balducci, F., Di Vittori, L., Capocasa, F., Giampieri, F. and Mezzetti, B. (2017). Evaluation of vitamin C content in fruit and leaves of different strawberry genotypes. *Acta Hort.* 1156, 371-378 DOI: 10.17660/ActaHortic.2017.1156.56 <https://doi.org/10.17660/ActaHortic.2017.1156.56>
69. Mazzoni, L., Alvarez Suarez, J.M., Giampieri, F., Gasparrini, M., Forbes Hernandez, T.Y. and Mezzetti, B. (2017). Evaluation of strawberry (*Fragaria × ananassa* Duch.) Alba sensorial and nutritional quality, and its in vitro effects against human breast cancer cells viability. *Acta Hort.* 1156, 379-388 DOI: 10.17660/ActaHortic.2017.1156.57 <https://doi.org/10.17660/ActaHortic.2017.1156.57>
70. Forbes-Hernández, T.Y., Gasparrini, M., Afrin, S., **Mezzetti B.**, Giampieri, F., Bompadre, S., 2017 Strawberry (cv. Romina) methanolic extract and anthocyanin-enriched fraction improve lipid profile and antioxidant status in HepG2 cells. *International Journal of Molecular Sciences*, 1398 (1), pp. 62-71.
71. C Limera C., Sabbadini S., Sweet JB, **Mezzetti B.**, 2017. New biotechnological tools for the genetic improvement of major woody fruit species. *Frontiers in Plant Science*, Volume 8, 15 August 2017, Article number 1418. <https://pdfs.semanticscholar.org/2ce9/6efcbac651c39f7ae6fd4309597ea892aa84.pdf>.
72. Giampieri, F., Afrin, S., Stewart, D., McDougall, G.J., Brennan, R., Blyth, L., Gasparrini, M., Mazzoni, L., **Capocasa, F.**, Alvarez-Suarez, J.M., Bompadre, S., de Oliveira, P.N.B., Santos,

- C.N., Masias, M., Agudo, P., Crespo, J., Mezzetti, B., Forbes-Hernández, T.Y., Battino, M. (2018). Phytochemical composition and cytotoxic effects on liver hepatocellular carcinoma cells of different berries following a simulated in vitro gastrointestinal digestion. *Molecules*, 23 (8), art. no. 1918, . DOI:0.3390/molecules23081918
73. **Mezzetti B.**, Giampieri F., Zhang Y.T., Zhong C.-F. 2018. Status of strawberry breeding programs and cultivation systems in Europe and the rest of the world. *Journal of Berry Research* 8(3), pp. 205-221
74. Giampieri, F., Gasparrini, M., Forbes-Hernandez, T.Y., Mazzoni, L., Capocasa, F., Sabbadini, S., Alvarez-Suarez, J.M., Afrin, S., Rosati, C., Pandolfini, T., Molesini, B., Sánchez-Sevilla, J.F., Amaya, I., **Mezzetti B.**, 2018. Overexpression of the Anthocyanidin Synthase Gene in Strawberry Enhances Antioxidant Capacity and Cytotoxic Effects on Human Hepatic Cancer Cells. *Journal of Agricultural and Food Chemistry*, 66, 3, 24: 581-592.
75. Di Vittori, L., Mazzoni, L., Battino, M., **Mezzetti B.**, 2018 Pre-harvest factors influencing the quality of berries. *Scientia Horticulturae*, 233:310-322.
76. Gasparrini, M., Giampieri, F., Forbes-Hernandez, T.Y., Afrin, S., Cianciosi, D., Reboredo-Rodríguez, P., Varela-Lopez, A., Zhang, J., Quiles, J.L., **Mezzetti B.**, Bompadre, S., Battino, M., 2018. Strawberry extracts efficiently counteract inflammatory stress induced by the endotoxin lipopolysaccharide in Human Dermal Fibroblast. *Food and Chemical Toxicology*, 114:128-140.
77. Capocasa F., Balducci F., Marcellini M., Bernardini D., Navacchi O., **Mezzetti B.**, 2019. Comparing nursery behavior, field plant yield and fruit quality of in vitro and in vivo propagated strawberry mother plants. *Plant Cell Tissue Organ Culture*, pp 1–10, <https://doi.org/10.1007/s11240-018-1492-8>.
78. Sabbadini S., Capriotti L., Molesini B., Pandolfini T., Navacchi O., Limera C., Ricci A., **Mezzetti B.**, 2019. Comparison of regeneration capacity and Agrobacterium-mediated cell transformation efficiency of different cultivars and rootstocks of *Vitis* spp. via organogenesis. *Scientific reports* 9 (1), 582
79. Giampieri F., Islam M.S., Greco S., Gasparrini M., Forbes Hernandez T.Y., Delli Carpini G., Giannubilo S.R., Ciavattini A., **Mezzetti B.**, Mazzoni L., Capocasa F., Castellucci M., Battino M., Ciarmela P., 2019. Romina: A powerful strawberry with in vitro efficacy against uterine leiomyoma cells. *Journal of Cellular Physiology*, 14;234(5):7622-7633. Epub 2018 Oct 14.
80. Sabbadini S., Capriotti L., Limera C., Navacchi O., Tempesta G., **Mezzetti B.**, 2019. A plant regeneration platform to apply new breeding techniques for improving disease resistance in grapevine rootstocks and cultivars. *BIO Web of Conferences* 12, 01019
81. Battino M., Forbes-Hernández T.Y., Gasparrini M., Afrin S., Cianciosi D., Zhang J., Manna P.P., Reboredo-Rodríguez P., Varela Lopez A., Quiles, J.L., **Mezzetti B.**, Bompadre S., Xiao J., Giampieri F., 2019. Relevance of functional foods in the Mediterranean diet: the role of olive oil, berries and honey in the prevention of cancer and cardiovascular diseases. *Critical Reviews in Food Science and Nutrition*, 59, 6, 26:893-920
82. Sabbadini S., Ricci A., Limera C., Baldoni D., Capriotti L., e **Mezzetti B.**, 2019. Factors Affecting the Regeneration, via Organogenesis, and the Selection of Transgenic Calli in the Peach Rootstock Hansen 536 (*Prunus persica* × *Prunus amygdalus*) to Express an RNAi Construct against PPV Virus. *Plants* 2019, 8(6), 178; <https://doi.org/10.3390/plants8060178>.
83. Sabbadini, S., Capriotti, L., Molesini, B., Pandolfini, T., Navacchi, O., Limera, C., Ricci, A., **Mezzetti B.**, 2019 Comparison of regeneration capacity and Agrobacterium-mediated cell transformation efficiency of different cultivars and rootstocks of *Vitis* spp. via organogenesis. *Scientific Reports*, Open Access Volume 9, Issue 1, 1 December 2019, Article number 582.

84. Balducci, F., Capriotti, L., Mazzoni, L., (...), **Mezzetti, B.**, Capocasa, F., 2019. The rootstock effects on vigor, production and fruit quality in sweet cherry (*Prunus avium* L.). *Journal of Berry Research*, 9, 2, 249-265.
85. Luca Mazzoni, Francesca Giampieri, Jose Miguel Alvarez Suarez, Massimiliano Gasparrini, Bruno Mezzetti, Tamara Yuliett Forbes Hernandez and Maurizio Antonio Battino, 2019. Isolation of strawberry anthocyanin-rich fractions and their mechanisms of action against murine breast cancer cell lines. *Food Funct.*, 2019, 10, 7103-7120. <https://doi.org/10.1039/C9FO01721F>
86. Luca Mazzoni, Lucia Di Vittori, Francesca Balducci, Tamara Y. Forbes-Hernández, Francesca Giampieri, Maurizio Battino, Bruno Mezzetti, Franco Capocasa, 2020. Sensorial and nutritional quality of inter and intra—Specific strawberry genotypes selected in resilient conditions. *Scientia Horticulturae*, 261, 5 February 2020, 108945
87. Tamara Y. Forbes-Hernández, Danila Cianciosi, Johura Ansary, Bruno Mezzetti, Stefano Bompadre, José L. Quiles, Francesca Giampieri and Maurizio Battino, 2020. Strawberry (*Fragaria × ananassa* cv. Romina) methanolic extract promotes browning in 3T3-L1 cells, *Food Funct.*, 2020,11, 297-304 <https://doi.org/10.1039/C9FO02285F>
88. Taning, C.N.T., Arpaia, S., Christiaens, O., Dietz-Pfeilstetter A., Jones H, Mezzetti B., Sabbadini S., Sorteberg HG, Sweet J., Ventura, V., Smagghe, G., 2020. RNA-based biocontrol compounds: current status and perspectives to reach the market. *Pest Management Sciences*, 73, 3:841-845, <https://doi.org/10.1002/ps.5686>.
89. Mancini M., Mazzoni L., Gagliardi F., Balducci F., Duca D., Toscano G., Mezzetti B. and Capocasa F., 2020. Application of the Non-Destructive NIR Technique for the Evaluation of Strawberry Fruits Quality Parameters. *Foods* 2020, 9, 441; doi:10.3390/foods9040441.
90. Angela Ricci, Luca Capriotti, Bruno Mezzetti, Oriano Navacchi and Silvia Sabbadini, 2020. Adventitious Shoot Regeneration from In Vitro Leaf Explants of the Peach Rootstock Hansen 536. *Plants* 2020, 9(6), 755; <https://doi.org/10.3390/plants9060755>.
91. Salvatore Arpaia, Olivier Christiaens, Kara Giddings, Huw Jones, Bruno Mezzetti, Felix Moronta-Barrios, Joe N. Perry, Jeremy B Sweet, Clauvis N. T. Taning, Guy Smagghe and Antje Dietz-Pfeilstetter, 2020. Biosafety of GM Crop Plants Expressing dsRNA: Data Requirements and EU Regulatory Considerations. *Frontiers in Plant Sciences*, 24 June 2020: <https://doi.org/10.3389/fpls.2020.00940>
92. Mezzetti B, Smagghe G, Arpaia, S, Christiaens O, Dietz-Pfeilstetter A, Jones H, Kostov K, Sabbadini S, Opsahl-Sorteberg H-G, Ventura V, Taning CNT, Sweet J, 2020 RNAi: What is its position in agriculture? *Journal of Pest Science*, 93:1125–1130. **DOI:** 10.1007/s10340-020-01238-2.
93. Mazzoni, L, Balducci, F., Di Vittori, L., Scalzo, J., Capocasa, F., Zhong, C.-F., Forbes-Hernandez, T.Y., Giampieri, F., Battino, M. Mezzetti B, 2020. Yield and nutritional quality of highbush blueberry genotypes trialled in a Mediterranean hot summer climate. *J. of the Science of Food and Agriculture*, 100, 9:3675-3686. **DOI:** 10.1002/jsfa.10403.
94. Ricci, A.; Sabbadini, S.; Prieto, H.; Padilla, I.M.; Dardick, C.; Li, Z.; Scorza, R.; Limera, C.; Mezzetti, B.; Perez-Jimenez, M.; Burgos, L.; Petri, C. Genetic Transformation in Peach (*Prunus persica* L.): Challenges and Ways Forward. *Plants* 2020, 9, 971. <https://doi.org/10.3390/plants9080971>
95. Capriotti, L.; Baraldi, E.; Mezzetti, B.; Limera, C.; Sabbadini, S. Biotechnological Approaches: Gene Overexpression, Gene Silencing, and Genome Editing to Control Fungal

- and Oomycete Diseases in Grapevine. *Int. J. Mol. Sci.* 2020, 21, 5701. <https://doi.org/10.3390/ijms21165701>
96. Taning, C.N.T., Mezzetti, B., Kleter, G., Smagghe, G., Baraldi, E., 2020. Does RNAi-Based Technology Fit within EU Sustainability Goals? *Trends in Biotechnology*, 12, 10.1016/j.tibtech.2020.11.008
  97. Perut, F., Roncuzzi, L., Avnet, S., Massa, A. Zini, N., Sabbadini, S., Giampieri, F., Mezzetti, B., Baldini, N., 2021 Strawberry-derived exosome-like nanoparticles prevent oxidative stress in human mesenchymal stromal cells. *Biomolecules*, 11, Issue 1, 87, Pages 1-14
  98. Gasparrini M., Forbes-Hernandez T.Y., Cianciosi D., Quiles J.L., Mezzetti B., Xiao J., Giampieri F., Battino B., 2021, The efficacy of berries against lipopolysaccharide-induced inflammation: A review. *Trends in Food Science & Technology* xxx (xxxx) xxx. DOI: 10.1016/j.tifs.2021.01.015
  99. Biondi, F., Balducci, F., Capocasa, F., ...Mezzetti, B., Mazzoni, L., 2021. Environmental conditions and agronomical factors influencing the levels of phytochemicals in brassica vegetables responsible for nutritional and sensorial properties. *Applied Sciences*, 11(4), pp. 1–21, 1927.
  100. Sabbadini, S., Capocasa, F., Battino, M., Mazzoni, L., Mezzetti, B. 2021. Improved nutritional quality in fruit tree species through traditional and biotechnological approaches. *Trends in Food Science and Technology*,
  101. Daniel Gebremichael, Zeraye Mehari Haile, Francesca Negrini, Silvia Sabbadini, Luca Capriotti, Bruno Mezzetti and Elena Baraldi, 2021. RNA Interference Strategies for Future Management of Plant Pathogenic Fungi: Prospects and Challenges. *Plants* 2021, 10(4), 650; <https://doi.org/10.3390/plants10040650>.
  102. Lulu Qiao, Chi Lan, Luca Capriotti, Audrey Ah-Fong, Jonatan Nino Sanchez, Rachael Hamby, Jens Heller, Hongwei Zhao, N. Louise Glass, Howard S. Judelson, Bruno Mezzetti, Dongdong Niu, Hailing Jin, 2021. Spray-induced gene silencing for disease control is dependent on the efficiency of pathogen RNA uptake. *Plant Biotechnology Journal*. In press **DOI:** 10.1111/pbi.13589
  103. Sabbadini, S., Marcellini, M., Mezzetti, B., Capocasa, F., 2021. Establishing micropropagation protocols for new strawberry (*Fragaria × ananassa*) breeding lines. *Acta Horticulturae*, 1309, pp. 573–578.
  104. Mazzoni, L., Qaderi, R., Marcellini, M., Mezzetti, B., Capocasa, F., 2021. Variation of polyphenol and vitamin C fruit content induced by strawberry breeding. *Acta Horticulturae*, 2021, 1309, pp. 1017–1023
  105. Mezzetti, B., Galvez, A.C., Cera, T., Marcellini, M., Capocasa, F.. 2021. Evaluation of strawberry genotypes response to reduced water irrigation trial in southern Spain. *Acta Horticulturae*, 2021, 1309, pp. 585–590.
  106. Mezzetti, B., Mazzoni, L., Qaderi, R., ...Marcellini, M., Capocasa, F., 2021. Generating novel strawberry pre-breeding material from a *Fragaria × ananassa* backcrossing program with *F. virginiana* subsp. *glauca* inter-specific hybrids. *Acta Horticulturae*, 2021, 1309, pp. 197–203
  107. Sabbadini, S., Capriotti, L., Jin, H., ...Giovanetti, G., Mezzetti, B., 2021. RNAi-based approaches to induce resistance against grey mould disease in strawberry. *Acta Horticulturae*, 2021, 1309, pp. 209–216
  108. Capocasa, F., Balducci, F., Mazzoni, L., ...Qaderi, R., Mezzetti, B. Preliminary results of soilless cultivated strawberry cultivars in the autumn-spring cycle in the mid-Adriatic area. *Acta Horticulturae*, 2021, 1309, pp. 591–596

109. Capocasa, F., Balducci, F., Mazzoni, L., ...Pergolotti, V., Mezzetti, B., 2021. Preliminary results of different strawberry cultivars in multi-cropping soilless cultivation. *Acta Horticulturae*, 2021, 1309, pp. 579–584
  110. Sabbadini, S., Gaston, A., Potier, A., ...Giovanetti, G., Mezzetti, B., 2021. Isolation and phenotypical characterization of the FT-like genes in strawberry (*Fragaria* × *ananassa*) *Acta Horticulturae*, 2021, 1309, pp. 217–22.
  111. Mezzetti, B., Mazzoni, L., Balducci, F., ...Linnemannstöns, L., Capocasa, F., 2021. Francesca', 'Lauretta', 'Silvia' and 'Dina': Four new strawberry cultivars for northern and southern European cultivation conditions from the Marche Polytechnic University breeding programme. *Acta Horticulturae*, 2021, 1309, pp. 205–208.
  112. Ma, L., Gebremichael, D., Mehari, Z., ...Mezzetti, B., Baraldi, E., 2021. A transgenic approach to investigate the role of a mannose binding lectin gene on strawberry (*Fragaria* × *ananassa*) resistance to fungal pathogens. *Acta Horticulturae*, 2021, 1309, pp. 1–6.
  113. Capocasa, F., Giuliani, J., Sabbadini, S., ...Dittajuti, G.L., Mezzetti, B., 2021. Micropropagated strawberry mother plants for high quality frigo and plug plants nursery production. *Acta Horticulturae*, 2021, 1309, pp. 597–603.
-