

1. Afrin, S., Giampieri, F., **Cianciosi, D.**, Pistollato, F., Ansary, J., Pacetti, M., Amici, A., Reboredo-Rodríguez, P., Simal-Gandara, J., Quiles, J.L., Forbes-Hernández, T.Y., Battino, M. Strawberry tree honey as a new potential functional food. Part 1: Strawberry tree honey reduces colon cancer cell proliferation and colony formation ability, inhibits cell cycle and promotes apoptosis by regulating EGFR and MAPKs signaling pathways. *Journal of Functional Foods*, **2019**, 57: 439-452
2. Afrin, S., Forbes-Hernández, T.Y., **Cianciosi, D.**, Pistollato, F., Zhang, J., Pacetti, M., Amici, A., Reboredo-Rodríguez, P., Simal-Gandara, J., Bompadre, S., Quiles, J.L., Giampieri, F., Battino, M. Strawberry tree honey as a new potential functional food. Part 2: Strawberry tree honey increases ROS generation by suppressing Nrf2-ARE and NF- $\kappa$ B signaling pathways and decreases metabolic phenotypes and metastatic activity in colon cancer cells. *Journal of Functional Foods*, **2019**, 57: 477-487.
3. Battino, M., Forbes-Hernandez, 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. 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 and Nutrition*, **2019**; 59: 893-920.
4. Giampieri, F., Afrin, S., Forbes-Hernandez, T.Y., Gasparrini, M., **Cianciosi, D.**, Reboredo-Rodríguez, P., Varela-Lopez, A., Quiles, J.L., Battino, M. Autophagy in human health and disease: Novel therapeutic opportunities. *Antioxidants & Redox Signaling*. **2019**; 30: 577-634.
5. Zhang, J., Xiao, J., Giampieri, F., Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., **Cianciosi, D.**, Reboredo-Rodríguez, P., Battino, M., Zheng, X. Inhibitory effects of anthocyanins on  $\alpha$ -glucosidase activity. *Journal of Berry Research*. **2019**; 9: 109-123.
6. Yang, H.Z., Zhang, J., Zeng, J., Liu, S., Zhou, F., Zhang, F., Giampieri, F., **Cianciosi, D.**, Forbes-Hernandez, T.Y., Ansary, J., Gil, E., Chen, R., Battino, M. Resveratrol inhibits the proliferation of melanoma cells by modulating cell cycle. *International Journal of Food Sciences and Nutrition*. **2019**; doi: 10.1080/09637486.2019.1614541.
7. Afrin S., Giampieri, F., Gasparrini, M., Forbes-Hernández, T.Y., **Cianciosi, D.**, Reboredo-Rodríguez, P., Zhang, J., Manna, P.P., Daglia, M., Atanasov, A.G., Battino, M. Dietary phytochemicals in colorectal cancer prevention and treatment: A focus on the molecular mechanisms involved. *Biotechnology Advances*. **2018**; <https://doi.org/10.1016/j.biotechadv.2018.11.011>
8. Afrin, S., Gasparrini, M., Forbes-Hernández, T.Y., **Cianciosi, D.**, Reboredo-Rodríguez, P., Manna, P.P., Battino, M., Giampieri, F. Protective effects of Manuka honey on LPS-treated RAW 264.7 macrophages. Part 1: Enhancement of cellular viability, regulation of cellular apoptosis and improvement of mitochondrial functionality. *Food and Chemical Toxicology*. **2018**; 121: 203-213.
9. Gasparrini, M., Afrin, S., Forbes-Hernández, T.Y., **Cianciosi, D.**, Reboredo-Rodríguez, P., Amici, A., Battino, M., Giampieri, F. Protective effects of Manuka honey on LPS-treated RAW 264.7 macrophages. Part 2: Control of oxidative stress induced damage, increase of antioxidant enzyme activities and attenuation of inflammation. *Food and Chemical Toxicology*. **2018**; 120: 578-587.
10. Zhang, J., Xiao, J., Giampieri, F., Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., **Cianciosi, D.**, Reboredo-Rodríguez, P., Battino, M., Zheng, X. Inhibitory effects of anthocyanins on  $\alpha$ -glucosidase activity. *Journal of Berry Research*. **2018**; doi: 10.3233/JBR-180335.
11. Afrin, S., Giampieri, F., Forbes-Hernández, T.Y., Gasparrini, M., Amici, A., **Cianciosi, D.**, Quiles, J.L., Battino, M. Manuka honey synergistically enhances the chemopreventive effect of 5-fluorouracil on human colon cancer cells by inducing oxidative stress and apoptosis, altering metabolic phenotypes and suppressing metastasis ability. *Free Radical Biology and Medicine*. **2018**; 126:41-54.
12. Giampieri, F., Gasparrini, M., Forbes-Hernández, T.Y., Manna, P.P., Zhang, J., Reboredo-Rodríguez, P., **Cianciosi, D.**, Quiles, J.L., Fernández-Piñar, C.T., Orantes-Bermejo, F.J., Bompadre, S., Afrin, S., Battino, M. Beeswax by-products efficiently counteract the oxidative damage induced by an oxidant agent in human dermal fibroblasts. *International Journal of Molecular Sciences*. **2018**; 19: ID: 2842.
13. **Cianciosi, D.**, Forbes-Hernández, T.Y., Afrin, S., Gasparrini, M., Reboredo-Rodríguez, P., Manna, P.P., Zhang, J., Lamas, L.B., Flórez, S.M., Toyos, P.A., Quiles, J.L., Giampieri, F., Battino, M. Phenolic compounds in honey and their associated health benefits: A review. *Molecules*. **2018**; 23: ID:2322.
14. Reboredo-Rodríguez, P., González-Barreiro, C., Cancho-Grande, B., Forbes-Hernández, T.Y., Gasparrini, M., Afrin, S., **Cianciosi, D.**, Carrasco-Pancorbo, A., Simal-Gándara, J., Giampieri, F.,

- Battino, M. Characterization of phenolic extracts from Brava extra virgin olive oils and their cytotoxic effects on MCF-7 breast cancer cells. *Food and Chemical Toxicology*. **2018**; 119: 73-85.
15. **Cienciosi, D.**, Varela-Lopez, A., Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., Reboredo-Rodriguez, P., Zhang, J., Quiles, J.L., Nabavi, S.F., Battino, M., Giampieri, F. Targeting molecular pathways in cancer stem cells by natural bioactive compounds. *Pharmacological Research*. **2018**; 135: 150-165.
  16. Reboredo-Rodríguez, P., Varela-López, A., Forbes-Hernández, T.Y., Gasparrini, M., Afrin, S., **Cienciosi, D.**, Zhang, J., Manna, P.P., Bompadre, S., Quiles, J.L., Battino, M., Giampieri, F. Phenolic compounds isolated from olive oil as nutraceutical tools for the prevention and management of cancer and cardiovascular diseases. *International Journal of Molecular Sciences*. **2018**; 19: ID 2305.
  17. Reboredo-Rodríguez, P., González-Barreiro, C., Cancho-Grande, B., Simal-Gándara, J., Giampieri, F., Forbes-Hernández, T.Y., Gasparrini, M., Afrin, S., **Cienciosi, D.**, Manna, P.P., Varela-López, A., Ojeda-Amador, R.M., Fregapane, G. Effect of pistachio kernel extracts in MCF-7 breast cancer cells: Inhibition of cell proliferation, induction of ROS production, modulation of glycolysis and of mitochondrial respiration. *Journal of Functional Foods*. **2018**; 45: 155-164.
  18. Afrin, S., Giampieri, F., Gasparrini, M., Forbes-Hernández, T.Y., **Cienciosi, D.**, Reboredo-Rodriguez, P., Amici, A., Quiles, J.L., Battino, M. The inhibitory effect of Manuka honey on human colon cancer HCT-116 and LoVo cell growth. Part 1: The suppression of cell proliferation, promotion of apoptosis and arrest of the cell cycle. *Food and Function*. **2018**; 9: 2145-2157.
  19. Afrin, S., Giampieri, F., Gasparrini, M., Forbes-Hernández, T.Y., **Cienciosi, D.**, Reboredo-Rodriguez, P., Manna, P.P., Zhang, J., Quiles J.L., Battino M. The inhibitory effect of manuka honey on human colon cancer HCT-116 and LoVo cell growth. Part 2: Induction of oxidative stress, alteration of mitochondrial respiration and glycolysis, and suppression of metastatic ability. *Food and Function*. **2018**; 9: 2158-2170.
  20. Gasparrini, M., Giampieri, F., Forbes-Hernandez, T.Y., Afrin, S., **Cienciosi, D.**, Reboredo-Rodriguez, P., Varela-Lopez, A., Zhang, J., Quiles, J.L., Mezzetti, B., Bompadre, S., Battino, M. Strawberry extracts efficiently counteract inflammatory stress induced by the endotoxin lipopolysaccharide in Human Dermal Fibroblast. *Food and Chemical Toxicology*. **2018**; 114: 128-140.
  21. Giampieri, F., Quiles, J.L., Orantes-Bermejo, F.J., Gasparrini, M., Forbes-Hernandez, T.Y., Sánchez-González, C., Llopis, J., Rivas-García, L., Afrin, S., Varela-López, A., **Cienciosi, D.**, Reboredo-Rodriguez, P., Fernández-Piñar, C.T., Iglesias, R.C., Ruiz, R., Aparicio, S., Crespo, J. Are by-products from beeswax recycling process a new promising source of bioactive compounds with biomedical properties? *Food and Chemical Toxicology*. **2018**; 112: 126-133.
  22. Forbes-Hernández, T.Y., Afrin, S., **Cienciosi, D.**, Manna, P.P., Zhang, J., Gasparrini, M., Reboredo-Rodríguez, P. Strawberry extract attenuates oxidative stress in 3T3-L1 cells. *Journal of Berry Research*. **2018**; 8: 193-203.
  23. Gasparrini, M., Forbes-Hernandez, T.Y. Afrin, S., Reboredo-Rodriguez, P., **Cienciosi, D.**, Mezzetti, B., Quiles, J.L., Bompadre, S., Battino, M., Giampieri, F. Strawberry-based cosmetic formulations protect human dermal fibroblasts against UVA-induced damage. *Nutrients*. **2017**; 9: 605.
  24. Forbes-Hernández, T.Y., Gasparrini, M., Afrin, S., **Cienciosi, D.**, González-Paramás, A.M., Santos-Buelga, C., Mezzetti, B., Quiles, J.L., Battino, M., Giampieri, F., Bompadre, S. Strawberry (cv. Romina) methanolic extract and anthocyanin-enriched fraction improve lipid profile and antioxidant status in HepG2 cells. *International Journal of Molecular Sciences*. **2017**;
  25. Giampieri, F., Forbes-Hernandez, T.Y., Gasparrini, M., Afrin, S., **Cienciosi, D.**, Reboredo-Rodriguez, P., Varela-Lopez, A., Quiles, J.L., Mezzetti, B., Battino, M. The healthy effects of strawberry bioactive compounds on molecular pathways related to chronic diseases. *Annals of the New York Academy of Sciences*. **2017**; 1398: 62-71.