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Marcela Rizzotto

Rosario National University, Argentina

Natural antimutagens

DNA is a dynamic molecule that is constantly damaged and repaired. Major sources of DNA lesions are physical and chemical agents from the environment, intermediates of cellular metabolism, spontaneous chemical reactions of DNA, incorporation of foreign or damaged nucleotides etc. Mutagens are not only involved in genotoxicity and carcinogenesis but also involved in the pathogenesis of several chronic degenerative diseases including hepatic disorders, diabetes, ageing process and so on. One of the best ways to minimize the detrimental effects of mutagens is by the use of natural antimutagens. These include flavonoids, coumarins, carotenoids, tannins and many more.

Biography

Marcela Rizzotto has completed her PhD from Rosario University and Postdoctoral studies from Florianópolis, Barcelona and Sydney University. She teaches at the University to undergraduate and postgraduate courses since many years. She has published more than 25 papers in reputed journals and in more than 100 national and international congresses on topics of antimicrobial metal complexes, chemopreventive action of natural antimutagens, Ames test and Allium test. She also acts as a Reviewer in prestigious journals.

mrizzot@agatha.unr.edu.ar