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The Role of Natural Products on Diabetes Mellitus Treatment

Guest Editors:

**Prof. Dr. Diana Marcela Aragon
Novoa**

Departamento de Farmácia,
Facultad de Ciencias,
Universidad Nacional de
Colombia, Cra. 30 45-03, Bogotá
111321, DC, Colombia

**Prof. Dr. Fátima Regina Mena
Barreto Silva**

Institute of Cellular Bioelectricity
(IBIOCEL): Science & Health,
Department of Biochemistry,
Center of Biological Sciences,
Campus Trindade, Federal
University of Santa Catarina,
Florianópolis 88040-900, SC,
Brazil

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Message from the Guest Editors

Dear Colleagues,

Diabetes mellitus (DM) is a metabolic disease characterized by hyperglycemia due to secretion and/or the action of insulin or both. This disease of high incidence and prevalence affects the quality of life and productivity of the population that suffers from it. Although there are drugs that have been widely used in the treatment of this disease, at present the search for possible antidiabetic agents has continued, especially if they have more than one mechanism of action, taking into account the complexity of this pathology.

Although it is difficult to find a substitute for insulin among plants, it is possible that molecules can be found that stimulate endogenous insulin biosynthesis and secretion or increase glucose absorption in blood by peripheral tissues, by acting as insulinomimetic or insulin secretagogue agents. This Special Issue is focused on the study of natural products (characterized extracts and isolated secondary metabolites) in the treatment of diabetes mellitus complications by in vivo and in vitro assays. Clinical trials are also welcome.



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Special Issue



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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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