

## Special Issue

# The Role of Natural Products on Diabetes Mellitus Treatment, 2nd Edition

### Message from the Guest Editors

Diabetes mellitus (DM) is a metabolic disease characterized by hyperglycemia due to the secretion and/or action of insulin. Metformin (a biguanide), which is a derivative of galegin, is among the first-line therapies for the treatment of type II DM. This guanidine was isolated from *Galega officinalis* L., a plant that has been used since the Middle Ages by diabetic patients. This fact has aroused interest in the use of medicinal plants and their secondary metabolites as possible drugs in DM treatment. 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 secretagogic agents. Following on from the above, this second edition of the 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.

### Guest Editors

Prof. Dr. Diana Marcela Aragon Novoa

1. Instituto de Bioeletricidade Celular (IBIOCEL): Ciência & Saúde, Departamento de Bioquímica, Universidade Federal de Santa Catarina, Florianópolis 88049-900, SC, Brazil
2. Departamento de Farmacia, Universidad Nacional de Colombia, Av. Carrera 30 # 45-03 Edif 450, Bogotá 111321, Colombia

Prof. Dr. Fátima Regina Mena Barreto Silva

Instituto de Bioeletricidade Celular (IBIOCEL): Ciência & Saúde, Departamento de Bioquímica, Universidade Federal de Santa Catarina, Florianópolis 88049-900, SC, Brazil

### Deadline for manuscript submissions

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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