



SEMINÁRIO DIA 18/03/2022

Sala de Web Conferência – 10 horas

“Recentes contribuições do GPMS no Desenvolvimento de Metodologias em Química”

Prof. Dr. Giovanni Wilson Amarante (UFJF)

Enfoque:

Since 2011 Prof. Amarante's research group (GPMS) has dedicated its efforts in the development of methodologies, aiming the construction of new C-C and C-X (N, O and S) bonds as well as the fast improvement of organic molecules complexity. In this context, our recent contributions concerning the use of azlactone or isoxazolone rings to form new C-C and C-O bonds, with great enhancement of the molecular complexity in a single reaction step will be exposed. Furthermore, our recent findings on methylsulfenylation of electrophilic carbons using DMSO, with the development of a new sulfur reagent for this transformation will be discussed. Moreover, for each system, mechanistic investigations, synthetic and biological applications will also be detailed.