



Giovedì 4 luglio 2019 alle ore 14:30 presso l'aula G

il **Prof. Luigi Vaccaro,**

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terrà il seminario dal titolo:

Green Shades in Organic Synthesis

Our research program is mainly committed to the definition of efficient and sustainable synthetic tools by combining the development of several crucial areas of investigation: i) use of safer reaction media (such as water, azeotropes or bio-based reaction media) or solvent-free conditions (SolFC), ii) preparation and use of heterogeneous recoverable and reusable catalytic systems based on supports tailor-made for their use in greener reaction media or under SolFC; iii) definition of flow reactors able to allow the recovery of products with minimal waste production.^[1]

Our recent efforts have been directed towards the combination of safer reaction media and heterogeneous catalytic systems for the definition of metal-catalyzed C-C bond formation processes via cross coupling or C-H functionalization.

Some representative examples from our laboratory will be presented in this seminar.

[1]. For some representative recent examples see: L. Vaccaro et al. Green Chem., 2019, 21, 614-626; Green Chem., 2019, 21, 355-360 highlighted in Synfacts 2019 (04), 413; Scientific Rep., 2018, 8, 10571; Green Chem., 2018, 20, 3222-3231; Green Chem., 2018, 20, 2888-2893. highlighted in Synfacts 2018, 14 (09), 0987; Chemistry Eur. J., 2018, 24, 13383-13390; ChemCatChem, 2018, 10, 1277-1281; Green Chem., 2018, 20, 1634-1639; Green Chem., 2018, 20, 183-187. HOT ARTICLE; Prog. Energy Comb. Sc., 2018, 65, 136-162; Biofuel Res. J., 2017, 4, 713-714; Green Chem., 2017, 19, 2510-2514. highlighted in Synfacts 2017, (09), 1000; "Sustainable Flow Chemistry: Methods and Applications", L. Vaccaro: editor Wiley-VCH, Weinheim, Germany, 2017; Green Chem., 2017, 19, 1601-1612, HOT ARTICLE.

La presenza della S. V. sarà molto gradita