Faculty Research Interests
AGROCHEMISTRY

Universidade Federal de Lavras

ADELIR SACZK
Environmental Chemistry
Development of electrochemical sensors and chromatographic methods for the determination of environmental and biological contaminants.
adelir@ufla.br

MARIA DAS GRAÇAS CARDOSO
Chemistry of Natural Products
Chemistry of Natural Products (Essential Oils/ Biological actives) and Analysis Quality of Cachaça.
mcardoso@ufla.br

FABIANO MAGALHÃES
Environmental Chemistry
Environmental chemistry. Waste treatment. Catalysis. Advanced Oxidation Processes. Chemistry of Materials.
fabianomagalhaes@ufla.br

SILVANA MARCUSSI
Chemistry of Natural Products
Toxicological, pharmacological and biochemical analyzes of natural, chemical and synthetic compounds; enzymatic inhibitors, genetic toxicology and hemostatic changes.
marcussi@ufla.br

LUCIANA DE MATOS ALVES PINTO
Chemistry of Natural Products
Inclusion compounds of biological active molecules with cyclodextrins, adsorption of water pollutants, characterization of essential and fixed oils.
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ELAINE FONTES FERREIRA DA CUNHA
Theoretical Chemistry
Medicinal Chemistry, homology modeling, molecular dynamics, docking and multi-dimensional QSAR.
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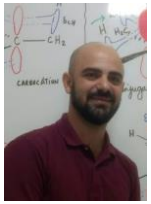

SÉRGIO SCHERRER THOMASI
Chemistry of Natural Products
Organic Synthesis, 1H NMR spectroscopy, chemistry of natural products - separation and identification of secondary metabolites.
sergio.thomasi@ufla.br

KATIA JÚLIA DE ALMEIDA
Theoretical Chemistry
Environmental catalysis of alternative energy resources and UV-vis, IR and NMR spectroscopic properties.
katiaalmeida@ufla.br

CLEITON ANTÔNIO NUNES
Chemistry of Natural Products
Oils and fats technology and development of methods for food analysis.
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MARIO CESAR GUERREIRO
Environmental Chemistry
Development of new materials mainly obtained from agricultural and mining residues. Application of these materials on advanced oxidation processes and sensors.
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JULIANO OLIVEIRA
Chemistry of Natural Products
Biodegradable polymers, biopolymers, controlled release, nanoparticles, nanofibers, green synthesis.
juliano.oliveira@ufla.br

CLEBER ANCONI
Theoretical Chemistry
Development and application of theoretical methods to treat supramolecular systems.

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MARIA LUCIA BIANCHI
Environmental Chemistry
Agro-industrial lignocellulosic biomass as feedstock to prepare new materials, nanocellulose, active packaging, activated carbon, biochar, bioadsorbents.
bianchi@ufla.br

IARA DO ROSÁRIO G. CARVALHO
Environmental Chemistry
Development of new materials with environmental and/or technological applications. Heterogeneous catalysts or adsorbents applied in the context of industrial symbiosis.
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TEODORICO DE CASTRO RAMALHO
Theoretical Chemistry
Molecular Modeling, physical chemistry, spectroscopy and computational chemistry. Medicinal chemistry and biomaterials.
teo@ufla.br

DENILSON FERREIRA DE OLIVEIRA

Chemistry of Natural Products

Purification and identification of organic substances. Selection of those useful to control pests and diseases in agricultural systems. Computational chemistry and organic synthesis of analogues with higher biological activities.

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MATHEUS PUGGINA DE FREITAS

Theoretical Chemistry

Physical-organic chemistry, conformational analysis, spectroscopy in organic chemistry and quantitative structure-property relationships.

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JONAS LEAL NETO

Environmental Chemistry

Transition metal compounds and heterogeneous catalysis.

neto.jl@ufla.br

ZUY MARIA MAGRIOTIS

Environmental Chemistry

Heterogeneous catalysts for the production of biofuels, use of agroindustrial residues (pyrolysis of biomass), removal of contaminants using alternative adsorbents.

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LUIZ CARLOS ALVES DE OLIVEIRA

Environmental Chemistry

Materials development, waste treatment, catalysis and adsorption.

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