

**TP199E – 2021 – Seminários**

**“Aspectos biotecnológicos e funcionais fisiológicos dos bioaromas” / “Biotechnological and function physiological aspects of bioaromas”**

**Responsibles: Profs. Glaucia Pastore, Juliano Bicas, Mario Marostica.**

**When:** second semester of 2021 (August-December 2021), on Wednesdays from 10h00 to 12h00 (Brazilian time)

**Public:** MSc and PhD students (all programs of School do Food Engineering) with a background in Food Science and Technology. Minimum of 6 maximum of 40 students (“special students”, not enrolled in the graduate programs of School of Food Engineering accepted upon analysis).

**Brief description:** This course (part in English, part in Portuguese) intends to gather some of the main specialists in the field of bioaromas to deliver lectures based on their main research fields. At the end of the course, the students should provide a simplified research project (in groups of 2 or 3) in the theme of the course, including a written project and a presentation followed by discussion with the responsible profs. Of the discipline. The course will be offered on-line (*Google Meet*).

OBS.: The lecture topics and dates are suggestions, each professor is totally free to change the topic and ask for a date permutation.

<b>Week</b>	<b>Activity</b>	<b>Lecturer</b>
Aug 18	Introduction to the course (in Portuguese)	Glaucia Pastore
Aug 25	Age-related perception of taste/smell/flavor	Julie Mennella
Sept 1	Challenges in the analysis of aroma compounds (in Portuguese)	Roger Wagner
Sept 8	Forms of obtaining aroma compounds (in Portuguese)	Juliano Bicas
Sept. 15	Production of bioaromas using agroindustrial residues (in Portuguese)	Adriane Medeiros
Sept. 22	Aroma production with basidiomycetes and algae	Ulrich Krings
Sept. 29	De novo synthesis of bioflavors in fermented beverages	Holger Zorn
Oct. 6	Biotransformation of carotenoids for the production of bioflavors	Eduardo Agosin
Oct. 13	Enzymatic production of aroma esters in scCO <sub>2</sub> (in Portuguese)	Julian Martinez
Oct. 20	Opportunities and challenges in the production of bioflavors	Ralf Berger
Oct. 27	Nutritional aspects of aroma compounds	Mario Maróstica
Nov. 3	Biological activities of monoterpenes OR Possible therapeutic effects of monoterpenes against cancer	Lucindo Quintans Jr. OR Clóvis da Fonseca
Nov. 10	Project presentation	Glaucia/Mário/Juliano
Nov. 17	Project presentation	Glaucia/Mário/Juliano
Nov. 24	Project presentation	Glaucia/Mário/Juliano