EMENTA DE DISCIPLINA

Nome: COFFEE SCIENCE

Código: ALM 919.

Coordenação: Prof. Leandro Soares de Oliveira.

Nível: mestrado e doutorado.

Tipo: optativa da Área de Concentração.

Carga horária: 60 (sessenta) horas teóricas.

Créditos: 04 (quatro).

Pré-Requisito: não há.

Aprovação pela Câmara de Pós-Graduação da UFMG: Criação em 28/07/2010 e última modificação em 06/01/2026.

Ementa:
Coffee History; Worldwide Coffee Production; Coffee plant; Coffee Processing and Handling; Coffee Roasting; Green and Roasted Coffee Chemistry (Moisture; Elemental Composition; Sugars and Polysaccharides; Proteins and Amino Acids; Caffeine; Trigonelline; Chlorogenic Acids; Lipids; Carboxylic Acids; Volatiles; Melanoidins; and Toxic Bioactive Compounds); Coffee Classification and Cup Tasting; Defective Coffee Beans; Beverage Preparation and Consumption; and Coffee Health Benefits.

Bibliografia:

Fundamental

Clarke, R.J., Macrae, R. (1985) Coffee. Volume 1: Chemistry. Elsevier Science Publishers Ltd, Essex, England. https://doi.org/10.1007/978-94-009-4948-5.

Key Bibliography

Massey, J.L. (Editor) (2016) Coffee: Production, Consumption and Health Benefits. Nova Science Publishers, Inc, New York, 199 pages. ISBN: 978-1-63484-725-4 (eBook).

Franca, A.S., Oliveira, L.S. (2019) Coffee. Chapter 17. In: Zhongli Pan, Ruihong Zhang and Steven Zicari (ed), Integrated Processing Technologies for Food and Agricultural By-Products. Academic Press, ISBN: 978-0-12-814138-0. https://doi.org/10.1016/C2017-0-00901-1.

Farah, A. (2019) Coffee: Production, Quality and Chemistry. The Royal Society of Chemistry. ISBN: 978-1-78262-004-4. https://doi.org/10.1039/9781782622437-FP001.

Lucas Louzada Pereira, Taís Rizzo Moreira (Editors) (2021) Quality Determinants in Coffee Production. Springer Nature Switzerland AG, Cham, Switzerland, 443 pages. https://doi.org/10.1007/978-3-030-54437-9.

Liberman, K. (2022) Tasting Coffee: An Inquiry into Objectivity. State University of New York Press, Albany. 512 pages. https://doi.org/10.1515/9781438488981-017.

Preedy, V.R. (2015) Coffee in Health and Disease Prevention. Academic Press, London, UK. 1080 pages. https://doi.org/10.1016/C2012-0-06959-1.

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