



EMENTA

TITLE OF THE ACADEMIC CURRICULAR ACTIVITY: ARTICULATED BIOLOGICAL SCIENCES	CÓDIGO: ODR841	CARGA HORÁRIA		
		Teórica	Prática	Total
		45 h	-	45 h
NATURE: (X) Mandatory () Optional	LEVEL: Master's or Doctorate			
PROFESSORS: Maria Esperanza Cortes, Soraia Macari, Frederico Lages, Danilo Dias, Amália Moreno and guest professors.				
SYLLABUS: The central subject to be studied is Biofilm and its interaction with caries, periodontics, endodontics, prosthodontics, pathology, and immunology in this context. Research methodologies applied in various areas of biological sciences will be addressed, demonstrating how they contribute to knowledge production in this field.				
OBJECTIVES: <ul style="list-style-type: none">• The aim is to critically analyze recent studies related to biofilm and correlated diseases.• To delve deeper into related clinical research, with a focus on enhancing understanding of the prevention and treatment of associated diseases.• To determine the role of nanotechnology in the evolution of associated knowledge.• To assess the use of biomaterials and their interactions in states of health and disease.				



FAO
FACULDADE DE
ODONTOLOGIA

UFMG

BIBLIOGRAFIA:

Bibliografia Básica:

CORTÉS, MARÍA E.; MACCARI, S.; LAGES, F. S.; TEIXEIRA, K. I. R.; SINISTERRA, Rubén Dario; MORENO, A.; DIAS, D. R.; CORRAL, M. A. T.; APOLONIO, A. C. M.; RENGIFO, A. C.; SANCHEZ, S. A.; BOTERO, J. E.; TAVARES, W. L. F.; RIBEIRO SOBRINHO, A. P.; BERGO, B. R.; SANTOS, B. A.; MAIA, C. A.; TRINDADE, C.; MAGALHAES, F. C. A.; CASTRO, F. N. A. M.; CAMPOS, G. L.; CHAVES, H. G. S.; MARQUIORE, L. F.; TAVARES, L. C. D.; OLIVEIRA, M. S.; ALVES, P. J. T.; CERCHAR, R. A. F.; FERREIRA, W. W. M.

Biofilme oral e as interações na odontologia. Belo Horizonte: Clio Gestão Cultural e Editora, 2023, v.1. p.272.

Bibliografia Complementar:

- ARAUJO, P. V.; GALA-GARCIA, A.; PEIXOTO, R. T.; SINISTERRA, Rubén Dario; **CORTES, MARIA ESPERANZA**

Non-antibiotic approaches for oral applications In: The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs.1 ed.Badajoz: Formatex, 2015, v.1, p. 551-558.

- **Cortes, M. E.**; BONILLA, J. C.; SINISTERRA, R. D.

Biofilm formation, control and novel strategies for eradication In: Science against microbial pathogens: communicating current research and technological advances.1 ed.Badajoz: Formatex, Research Center, 2011, v.2, p. 896-905.