

NOME	PEM-POLUENTES EMERGENTES
Carga horária	4 créditos - 60 h (15 semanas)
Docente Responsável	Prof. Dr. Décio Luis Semensatto Junior
SIGLA	C20-PEM
Obrigatória	eletiva do grupo C
Ementa	Definição de poluentes emergentes. Implicações dos poluentes emergentes no Meio Ambiente e saúde humana. Métodos de amostragem e detecção de poluentes emergentes em matrizes ambientais Estratégias de monitoramento e remediação de poluentes emergentes. Aspectos econômicos, políticos e regulatórios dos poluentes emergentes.

Bibliografía	<ol style="list-style-type: none"> 1. Baird, C.; Cann, M. 2011. Química ambiental. 4.ed. Porto Alegre: Bookman, 844 p. 2. EPA WORKGROUP. 2008. Aquatic life criteria for contaminants of emerging concern part I general challenges and recommendations. Disponível em: https://www.epa.gov/sites/default/files/2015-08/documents/white_paper_aquatic_life_criteria_for_contaminants_of_emerging_concern_part_i_general_challenges_and_recommendations_1.pdf 3. Gavrilesu, M. et al. 2015. Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation. <i>New Biotechnology</i>, 32: 147-156. 4. Halden, R.U. 2015. Epistemology of contaminants of emerging concern and literature meta-analysis. <i>Journal of Hazardous Materials</i>, 282: 2-9. 5. Meiburg, S. 2018. Emerging Contaminants and Environmental Health. <i>North Carolina Medical Journal</i>, 79:315-316. 6. Naidu, R. et al. 2016. Emerging contaminants in the environment: Risk-based analysis for better management. <i>Chemosphere</i>, 154: 350-357, 2016. 7. Suthersan, S. et al. 2016. Making Strides in the Management of “Emerging Contaminants”, <i>Groundwater Monitoring & Remediation. Advances in Remediation Solutions</i>, 36: 15-25. Disponível em: https://cswab.org/wp-content/uploads/2020/09/Making-Strides-on-EmergingContaminants-Suthersan-2016.pdf 8. Pepper, I.L.; Gerba, C.P.; Brusseau, M.L. (Ed.). 2006. <i>Environmental & Pollution Science</i>. 2nd ed. Amsterdam: Elsevier, 532 p. 9. Wilkinson, J.L. et al. 2022. Pharmaceutical pollution of the world’s rivers. <i>Proceedings of the National Academy of Sciences</i>, 119:8 e2113947119, 2022.
Docentes envolvidos	<ol style="list-style-type: none"> 1. Décio Luis Semensatto Junior 2. Geórgia Christina Labuto Araújo