

## PhD admission topic, 2023-2024:

1. Physiology of the digestive tract.
2. Non-steroidal anti-inflammatory drugs – metabolism, side effects and conjugation methods.

### **Bibliography:**

- Guyton A.C.; Hall J.E, *Tratat de Fiziologie a omului*, , Ed. a 13-a reviz., Editura Medicală Callisto, București, 2018.
- Pocock G., Richards C.D., Richards D.A., *Human Physiology*, 4<sup>th</sup> Edition, Oxford University Press, 2013.
- Bindu, S., Mazumder, S., Bandyopadhyay, Non-steroidal anti-inflammatory drugs (NSAIDs) and organ damage: A current perspective, *Biochemical pharmacology*, 180, 114147, 2020;
- Bjarnason I., Scarpignato C., Holmgren E., Olszewski M., Rainsford K.D., Lanas A., Mechanisms of damage to the gastrointestinal tract from non-steroidal anti-inflammatory drugs, *Gastroenterology*, 154, 500-514, 2018;
- Quandil, A.M., Prodrugs of non-steroidal anti-inflammatory drugs (NSAIDs), more than meets the eye: a critical review, *International Journal of Molecular Sciences*, 13, 17244-17274, 2012;
- Halder, M., Narula M., Singh Y., Supramolecular, nanostructured assembly of antioxidant and antibacterial peptides conjugated to naproxen and indometacin, for selective inhibition of COX-2, Biofilm, and inflammation in chronic wounds, *Bioconjugate chemistry*, 34, 645-663, 2023.