



**Tematica si bibliografia pentru concursul de admitere
la studii universitare de doctorat,
sesiunea iulie 2022**

1. Implicatii biologice si farmaceutice ale elementelor esentiale.
2. Profilul bioanorganic al ionilor lantanidelor si al unor combinatii generate de acestia.
3. Compusi ai lantanidelor utilizati ca remedii homeopate.
4. Combinatii ale elementelor tranzitionale utilizate in terapie ca surse de biocationi esentiali.
5. Structuri macrociclice tetrapirolice cu profil de marker si agent antitumoral.
6. Nanoparticule anorganice utilizate ca vectori in transportul substantelor active antitumorale.
7. Compusi tetrapirolici de sinteza utilizati in terapia antimicrobiana.
8. Legaturi chimice in combinatiile anorganice.
9. Tehnici de evaluare structurala si spectrala pentru compusii de sinteza cu potential biomedical.
10. Metode de evaluare primara a potentialului citotoxic al compusilor de sinteza cu aplicabilitate biomedicala.

Bibliografie

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