CUPRINS Nicoleta Cioateră, Elena-Adriana Voinea, Aurelie Rolle, Rose-Noelle Vannier 5 Cerium Titanates. Synthesis and Structural Investigations Liana-Simona Sbîrnă, Anișoara Oubraham, Irina Dăbuleanu, Florina Ciolan Statements About the Geometry and Denticity of Three Complex of Iron(II) with 2-(Pyridin-2-yl)-1H-benzo[d]imidazole Compounds **Derivatives Based on Physical-Chemical Analysis** 11 Aurora Reiss, Liana-Simona Sbîrnă, Irina Dăbuleanu, Florina Ciolan Synthesis, Characterization and Antibacterial Activity of Co(II) and Ni(II) Complexes with Ceftazidime-Derived Schiff Base 18 Florina Ciolan, Liana-Simona Sbîrnă, Irina Dăbuleanu Synthesis, Characterization and Biological Activity of New Co(II), Ni(II) and Fe(III) Metal Complexes with the Schiff Base Derived from Isatin and 25 p-Aminosalicylic Acid Mihaela Mureșeanu, Irina Georgescu, Mihaela Filip, Gilbert Renard Adsorptive Removal of Copper from Water by Schiff Base 32 **Functionalized Mesoporous Silica** Anca Gănescu, Elena Ionescu, Irina Dăbuleanu Acide-Type Complexes [MX₄]^{m-} and [MX₆]^{m-}. Synthesis, Properties and **Analytical Application** 38 Georgeta Ciobanu, Simona Neamţu 43 Kinetic Study of the Polyphenol Oxidase Activity from Triticale Grains Cristina Băbeanu, Mădălina Drăgoi, Marius Drăgoi **Evaluation of the Total Phenol Content and Antioxidant Activities** of Some Herbal Teas 52