

Themes o master theses in the department of  
«High-temperature materials and powder metallurgy»

**FK-61m, FN-61m**

**Direct № 994-c 22.03.18.**

№ p.p	Student's Name	Theme of master thesis	Scientifi adviser
1.	Antonenko Oksana	Preparing, structure and properties of metal-ceramic composites of the (B <sub>4</sub> C-TiB <sub>2</sub> ) - Me (Al, Cu) system	Assoc. Prof. Bogomol Iu. I.
2.	Burbela Denys	Composite materials of the Mo-Si-B system for engine construction	Senior Lecturer Troshnikova I.Iu
3.	Vedel Dmytro	Preparing and properties of ultra high-temperature ceramics based on ZrB <sub>2</sub>	Prof. Stepanchuk A.M.
4.	Voichenko Andrii	Optimization of technological parameters of formation of superhard hybrid diamond materials for geological exploration tool	Prof. Turkevych V.Z.
5.	Hlukhoiedov Roman	Influence of synthesis technology on the structure and properties of Ti-SiC <sub>2</sub> metal-ceramic composite	Assoc. Prof. Byba Ye.G.
6.	Zernyk Valentyn	Quasibinar eutectic Cr <sub>2</sub> C <sub>3</sub> -MeB <sub>2</sub> systems	Assoc. Prof. Kisla G.P.
7.	Karbyshev Denys	Composite materials based on boron carbide	Assoc. Prof. Sysoiev M.O.
8.	Korotenko Olha	Properties of powder soft-magnetic materials on the base of iron-boron	Assoc. Prof. Minitsky A.V
9.	Klekov Andrii	Basics of compacting, structure and properties of the Fe-Al powder system	Prof. Stepanchuk A.M.
10.	Lozovyi Andrii	Basics of spark-plasma sintering of optically transparent ceramics based on MgF <sub>2</sub>	Prof. Ragulya A. V.
11.	Matvieiev Oleksandr	Structure and mechanical properties of high-entropy Al-Ni-Co-Fe-Cr-Si-Ti coatings obtained by electron-beam method	Prof. Yurkova A.I.
12.	MihunVladyslav	Basics of formation of wear-resistant metal-ceramic coatings on titanium alloys	Assoc. Prof. Sysoiev M.O.
13.	Nikitin Serhii	Preparing, structure and properties of directionally solidified ZrB <sub>2</sub> -SiC alloy	Assoc. Prof. Bogomol Iu. I.
14.	Reka Viacheslav	Computer modeling of contact interaction during pressing of powders mixtures.	Assoc. Prof. Stepanov O.V.
15.	Tkachenko Andrii	Basics of microstructure formation and phase composition of the AlMo ligature	Prof. Mazur V.I.
16.	Khrobust Serhii	Basics of preparing of skeletons based on the hydroxylapatite powder and their properties	Prof. Ragulya A. V.

Dept. chief

Mazur V.I.