

Content:

Karolína Vocetková Skin and Tissue Engineering	4
Karel Balík, Tomáš Suchý, Elena Čižmárová, Petr Špatenka Research and development of bio-composites for the bone replacement during last 25 years	10
Veronika Blahnová Human mesenchymal stem cells for regenerative medicine	26
František Denk, Jan Krčil, Stanislav Krum The influence of material and its surface on mechanical properties of coating for biomedical tools	32
Věra Lukášová Plasma treatment of the surfaces	37
Martin Kralovic The surface treatment of nanofibers for biomedical applications	41
Martin Černý, Hana Sourková, Petr Špatenka Plasma treatment of cellulose-based biomaterials	47
Zdeněk Tolde Oxide layer on the titanium alloys for medical applications	56
Ladislav Cvrček Diamond-Like Carbon Coatings for Medical Implants	61
Věra Sovková Functionalization of nanofiber scaffolds	66
Radek Divín, Evžen Amler Electrospinning technique	70
Gracian Tejral Towards novel PII-type ATPase inhibitors	78
Zoya Ghanem, Sari Panikkassery Sasidharan, Petr Špatenka Rotational moulding of composites	82