

1. Record Nr.	UNINA9910760274603321
Autore	Bonai Bartolin Petra
Titolo	Advances in Biomedical and Veterinary Engineering : Selected Contributions to the 1st European Congress on Biomedical and Veterinary Engineering, BioMedVetMech 2022, October 1–3, 2022, Zagreb, Croatia / / edited by Petra Bonai Bartolin, Ratko Magjarevi, Matthew Allen, Michael Sutcliffe
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031422430 3031422430
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (97 pages)
Collana	IFMBE Proceedings, , 1433-9277 ; ; 90
Altri autori (Persone)	MagjarevicRatko AllenMatthew SutcliffeMichael
Disciplina	610.28
Soggetti	Biomedical engineering Signal processing Veterinary medicine Biomedical Devices and Instrumentation Signal, Speech and Image Processing Veterinary Clinical Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Influence of in Vitro Cultivation on Differentiation Gene Expressions in Canine Adipose-derived Mesenchymal Stem Cells -- Brain Computer Interface in Neurology: The Future of Neurorestoration, the Possibilities and Perils. A Narrative Review -- High Wall Shear Stress and Its Gradient Indicates Intimal Hyperplasia in Vascular Bypass Graft End-to-side Distal Anastomosis -- Non-invasive Functional Electrical Stimulation in Rehabilitation Engineering -- Low-back Pain Patients Classification Based on Semg Activation Patterns Detection -- Wireless Device for Biomedical Signal Acquisition with Dry Electrodes on an E-bike -- Automatic Objective Magnification Detection in Brightfield Microscopy by Use of Neural Network -- Virtual Surgery and 3d Printing in Craniofacial Surgery – Our Experience at Uhc Osijek Using a Newly

Sommario/riassunto

This book gathers selected peer-reviewed contributions to the 1st European Congress on Biomedical and Veterinary Engineering, BioMedVetMech 2022, held on October 1–3, 2022, in Zagreb, Croatia. It offers a timely snapshot of research findings and advances technologies in the area of biomechanics, rehabilitation and surgery. It covers applications of brain-computer interface, virtual reality and functional electrical stimulation, among others. .

---