

# JOURNAL OF APPLIED BIOMEDICINE

---

## CONTENTS

Volume 13 Number 2 1 May 2015

- 69 Multinuclear magnetic resonance evaluation of tumor tissue  
DOROTA BARTUSIK and DAVID AEBISHER
- 79 Coordination compounds in cancer: Past, present and perspectives  
FEDERICA TRUDU, FILIPPO AMATO, PETR VAŇHARA, TIZIANA PIVETTA, E.M. PEÑA-MÉNDEZ and JOSEF HAVEL
- 105 Up-regulation of orexigenic and down-regulation of anorexigenic neuropeptide gene expression in rat hypothalamus after partial lipectomy  
AGNIESZKA DETTLAFF-POKORA, TOMASZ SLEDZINSKI and JULIAN SWIERCZYNSKI
- 113 Herbal product silibinin-induced programmed cell death is enhanced by metformin in cervical cancer cells at the dose without influence on nonmalignant cells  
WEN-SHIUNG LIOU, LI-JEN CHEN, HO-SHAN NIU, TING-TING YANG, JUEI-TANG CHENG and KAO-CHANG LIN
- 123 A new gold nanoparticle based rapid immunochromatographic assay for screening EBV-VCA specific IgA in nasopharyngeal carcinomas  
SAEID GOUDARZI, ANITA AHMADI, MOHAMMAD FARHADI, SEYED KAMRAN KAMRAVA, FARIBORZ MOBARREZ and KOBRA OMIDFAR
- 131 Free radicals in ultraviolet irradiated melanins and melanin complexes with Cd(II) and Cu(II) – EPR examination  
MAGDALENA ZDYBEL, EWA CHODUREK and BARBARA PILAWA
- 143 Estimation of the spinal twisting angle using inertial measurement units during a rod derotation surgery in idiopathic scoliosis patients  
HYUN MU HEO, SEUNG EEL OH, SEUNG WOO SUH, JAE HYUK YANG, SU HYUN YOUN, TAEYONG SIM and JOUNG HWAN MUN
- 161 Systemic oxidative stress in victims of *Bothrops* snakebites  
JULIANA DE ORNELLAS STRAPAZZON, EDUARDO BENEDETTI PARISOTTO, ANA MARIA MORATELLI, THAIS REGINA GARLET, JULIANA BASTOS, IVAN RICARDO ZIMERMANN, MARLENE ZANIN, RODRIGO FAGUNDEZ, MANUEL ROSA DE OLIVEIRA LINO, TÂNIA SILVIA FRÖDE and DANILO WILHELM FILHO