

## ORIGINAL ARTICLES

### **Antioxidant efficacy of flavonoid-rich fraction from *Spermacoce hispida* in hyperlipidemic rats**

Kuppusamy Kaviarasan, Panneerselvam Kalaiarasi, Vishwanathan Pugalendi 165 – 176

### **The effect of tryptophan administration on the circadian rhythms of melatonin in plasma and the pineal gland of rats**

Soledad Sánchez, Cristina Lucia Sánchez, Sergio Damian Paredes, Ana Beatriz Rodriguez, Carmen Barriga 177 – 186

### **Effect of chronic administration of quinine on the myocardium of mice**

David Adesanya Ofusori, Sunday Joel Josiah, Abiodun Oladele Ayoka, Emmanuel Oluwole Omotoso, Samson Ayodeji Odukoya 187 – 193

### **Changes in selected parameters of the antioxidant system in radiation damage to the organism**

Leoš Navrátil, Jaroslav Racek, Renata Havránková, Ladislav Beránek, Zuzana Freitinger Skalická, Hana Siffnerová, Eva Kantorová 195 – 201

### **The effect of L-arginine on serum lipids and nitrite levels, and the number of apoptotic cells, iNOS and eNOS expressions of aorta after the formation of fatty streaks in rabbit**

Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi 203 – 210

### **Role of intracellular calcium on hydrogen peroxide-induced apoptosis in rat pancreatic acinar AR42J cells**

Sara Morgado, María P. Granados, Ignacio Bejarano, José J. López, Ginés M. Salido, Antonio González, José A. Pariente 211 – 224