

## Originals

Alteration of protein synthesis and cell death in mouse organs under long-lasting exposure to cadmium

*L. Ivanoviene, L. Ivanov,  
V. Lesauskaite, I. Staneviciene  
and I. Sadauskiene*

Clinical laboratory requirements for lithium assays and future of lithium assays

*D. Gruson, K. Lallali,  
M. Conti, A. Legrand,  
A. Gruson and P.E. Wallemacq*

Comparison of content of mineral elements in selected organs in carnivorous fur animals

*E. Hanusová, D. Mertin,  
K. Süvegová and  
O. Szeleszczuk*

Comparison of hydride generation atomic absorption and electrothermal atomic absorption techniques for determination of lead in blood

*F.N. Dincer Kaya, O. Atakol  
and S.L. Dincer*

The disturbances of magnesium metabolism in patients with anti-social disturbance occurring in the process of rehabilitation after extensive surgical interventions

*Z. Kopanski, W. Osikowska,  
M. Schlegel-Zawadzka,  
J. Zyznawska and R. Pieta*

Iron bioavailability in 4- to 6-year-old children of rural region in China

*X. Cui, J. Sun, X.Y. Ling,  
C.F. Zhao, Z.J. Liu and  
G.F. Xu*

Copper chaperoning in prion diseases

*A.V. Kudrin*

Urine zinc level in the affected kidney and the unaffected kidney in patients with unilateral stone disease

*F. Abul, T.C. Mathew, N. Arun,  
H. Abul and H.M. Dashti*

Alteration in the level of trace elements in  $\alpha$ -interferon and vitamin E mediated reversal of liver cirrhosis

*T.C. Mathew, H. Dashti,  
S. Abdeen, S.S. Jacob and  
A. Al-Bader*

Transfer of sodium from soil and forage to sheep and goats grazing in a semi-arid region of Pakistan: Influence of the seasons

*Z.I. Khan, M. Ashraf, I. Javed  
and S. Ermidou-Pollet*

Evaluation of manganese status of grazing sheep in a semi-arid region of Pakistan

*Z.I. Khan, M. Ashraf and  
A. Hussain*

Modulation of liver antioxidant ability under chronic fascioliasis and  $(Zn_xCu_{1-x})_2(OH)_3Cl$  supplementation

*M. Gabrashanska, Y. Manga  
Gonzalez, Y. Misinska,  
S. Ermidou-Pollet and S. Pollet*

34

37

42

49

55

61

Official Organ of the  
"Society of Magnesium Research"  
Germany

Official Organ of the  
German Working Group  
"Trace Elements and Electrolytes  
in Radiation Oncology" AKTE,  
Germany

Founded by  
Heinz Zunkley

Editor-in-Chief

K.H. Rahn, Münster

Editors

W. Zidek, Berlin  
K. Kisters, Herne

Associate Editor

K. Nomiya, Tochigi-Ken  
O. Micke, Bielefeld

