

MEMOIRS OF THE SCIENTIFIC SECTIONS OF
THE ROMANIAN ACADEMY

Tome XXXIII, 2010

CONTENTS

MATHEMATICS

- ROMULUS CRISTESCU, Spaces with vector norm and bounded linear operators 7
SIMONA COSTACHE, B.-Y. Chen inequalities for slant submanifolds in S-space-forms 25

CHEMISTRY

- LUMINIȚA MARIN and VASILE COZAN, Thermotropic polyazomethines containing kinking groups 35

BIOLOGY

- DIDIA POPA, T. CHIFU and IRINA IRIMIA, The Association in class *Festuco-Brometea* Br.-Bl. et R. Tx. in Br.-Bl. 1949 from the Covurlui Plateau 57
ELIZA ȚUPU, Praticola phytocoenoses on Tulcea Hills 83

MEDICINE

- ANGELA SIMALCSIK, ROBERT-DANIEL SIMALCSIK, CĂTĂLIN-GEORGE FEDOR and VASILICA-MONICA GROZA, Alimentation regime *versus* the stature-weight ratio in 12 and 13 year-old teenagers from the Iași city 101
ANA ȚARCĂ and ELENA TULUC, Contributions to the dermatoglyphic diagnosis of hypospadias 113
GEORGETA MIU, DAN BOTEZATU and VASILICA-MONICA GROZA, Preliminary demographic aspects on the IXth-Xth century population from the intra-Carpathian space (the Alba Iulia necropole) 121

ARTIFICIAL INTELLIGENCE

- MIRCEA HULEA, A new method to obtain non volatile memory for networks of spiking neurons . 129

INTELLIGENT SYSTEMS

- TOSHITAKA YAMAKAWA, TAKESHI YAMAKAWA, SATORU ISHIZUKA, ZIMIN LEV GRIGORIEVICH , MICHIIYASU SUZUKI and MASAMI FUJII, Epileptiform discharge inhibition using a multifunctional cryogenic microprobe for minimally invasive brain surgery 147

COMPUTER SCIENCE

- ARPAD ZSOLT BODO, GAVRIL TODEREAN and OVIDIU BUZA, TTS development environment results 157

- BOOK REVIEWS** 169