

CONTENTS

METALURGIA INTERNATIONAL vol. XV (2010), special issue no.1
ISSN 1582-2214

MATERIAL SCIENCE RESEARCH AND DEVELOPMENT

Stefan DRAGOMIR, Gheorghe FLOREA, Bogdan FLOREA,
Constantin MIHOLCA: **VIBRATION AND DIAGNOSTIC
FOR A COLD ROLLING MILLS**

.....5

Radu Cristian IVĂNUȘ: **A METHOD FOR OBTAINING
COPPER POWDER FROM ELECTRONIC SCRAPBY
MECHANICAL PROCESSING AND
ELECTROMETALLURGY**

.....10

Radu Cristian IVĂNUȘ: **A NEW ENVIRONMENTALLY
FRIENDLY METHOD FOR THE RECOVERY OF
USEFUL MATERIALS THROUGH PROCESSING
WASTE PRINTED CIRCUITS BOARDS**

.....15

Sorin CANANAU: **SURFACE CHARACTERIZATION
FOR COATED MATERIALS USING ELECTRON
MICROSCOPY**

.....20

Sandu ALB, Camelia ALB, Ada DELEAN, Sorina SAVA,
Anca MESAROS, Smaranda BUDURU: **TREATMENT
OPTIONS FOR THE RESTORATION OF
ENDODONTICALLY TREATED TEETH**

.....24

Ioan DOROȘ, Flavia Diana NISTOR, Horia Tudor
ANDREICA: **REAL AND VIRTUAL**

.....29

ENVIRONMENTAL ISSUES

Giani GRADINARU, Cristian - Marian BARBU: **CAUSAL
INFLUENCE OF STOCHASTIC EMISSION OF
GREENHOUSE GASES GENERATED BY THE
ROMANIAN MINING INDUSTRY**

.....34

Mircea BOSCOIANU, Gabriela PRELIPCEAN, Marian
MIHALCEA, Mihaela SIMA: **AN ECONOMETRIC
FRAMEWORK FOR DETERMINING THE
INFLUENCES OF SOCIO-ECONOMIC ACTIVITIES
ON NATURAL ENVIRONMENT**

.....37

Ruxandra Mălina PETRESCU-MAG, Ioan Valentin
PETRESCU-MAG: **ENVIRONMENTAL PROTECTION
THROUGH PUBLIC AUTHORITIES INTERVENTION
IN THE PRIVATE ACTIVITIES. THE CASE OF SPAIN
AND ROMANIA**

.....43

Ioana Maria GHIDIU BÎTA, Cristina PARTAL: **ANALYSIS
OF VOLUME OF TIMBER HARVESTED IN ELATION
WITH FOREST COVER, THE PERIOD 1991 - 2008**

.....49

Diana Andreia HRISTACHE, Silvia Elena POPESCU
(IACOB), Claudia Elena PAICU, Constantin POPESCU: **AN
APPROACH OF SUSTAINABLE DEVELOPMENT
FROM THE PERSPECTIVE OF THE
COMMUNICATIONAL PARADIGM**

.....58

Teodor CRISTIAN, Andreea POPA, Irina POPA: **FROM
UNCONTROLLED CONSUMPTION TO
SUSTAINABLE CONSUMPTION**

.....61

Florina BRAN, Oana DAVID: **ISSUES REGARDING
REGIONAL DEVELOPMENT AND NATURAL
RESOURCES IN THE APUSENI MOUNTAINS -
ROSIA MONTANA**

.....65

Florian GRIGORE, Vladimir ROJANSCHI, Ștefan-Gabriel
DUDUMAN: **ASSESSMENT OF COMPLIANCE
OPERATORS IN THE FIELD OF METALLURGY IN
RELATION TO ENVIRONMENTAL LEGISLATION -
REQUIREMENT OF ISO 14001**

.....72

Oleg MARGINA, Andreea POPA, Teodor CRISTIAN:
SOLUTIONS FOR THE INDUSTRIAL POLLUTION CONTROL
77

Dacina Crina PETRESCU, Florina BRAN, Ruxandra Mălina
 PETRESCU-MAG: **THE WATER FOOTPRINT AND
 ITS IMPACT ON SUSTAINABLE WATER
 CONSUMPTION**
81

ECONOMICAL MANAGEMENT

Constantin ANGHELACHE, Dinu MARIN, Cristian Marian
 BARBU: **ESTIMATION OF THE REGRESSION
 FUNCTION'S TRANSFORMATION**
87

Constantin BRĂTIANU, Ana RAMONA: **THE
 COMPANY'S STRATEGIC MANAGEMENT
 CONCEPT**
139

Cristina Otilia ȚENOVICI, Denisa Elena PARPANDEL,
 Mihaela ALBICI: **COST CALCULATION IN
 FORESTRY THROUGH THE INTRODUCTION OF
 THE STANDARD-COST METHOD**
93

Irina POPA, Oleg MARGINA, Georgian ARDELEANU:
**ECONOMY OF THE FUTURE – THE SUSTAINABLE
 ECONOMY**
148

Ovidiu NICOLESCU, Ciprian NICOLESCU:
**DETERMINANTS OF THE NATIONAL SME's
 STRATEGY**
100

Rocsana ȚONIȘ, Radu BUCEA-MANEA:
**OPTIMIZATION MODELS IN THE DECISION
 MAKING PROCESS**
152

Ion PETRESCU: **THE MANAGER IN THE PROCESS
 OF THE SUSTAINABLE DEVELOPMENT**
105

Victoria STANCIU, Adrian PANĂ, Florin BRAN:
**BUSINESS CONTINUITY AND DESASTER
 RECOVERY PLANS - ORGANISATIUN'S
 RESPONSE TO THE NATURAL DISASTERS**
155

Camelia ȘTEFĂNESCU, Stelian PÂNZARU, Laura POPA:
**CONSIDERATIONS ON THE TOPIC OF QUALITY
 MANAGEMENT IN INDUSTRIAL PRODUCTION**
110

Cristina PARTAL, Ioana Maria GHIDIU BÎTA, Angela
 ANDREICA: **RURAL DEVELOPMENT THROUGH
 THE EUROPEAN FUNDS - THE NRDP OBJECTIVES**
158

Cezar MIHĂLCESCU, Beatrice SION: **IDENTITY
 MANAGEMENT IN AN ONLINE WORLD**
114

Alina Ștefania CRETU, Roberta Mihaela STANEF:
EFFECTS OF GLOBAL FINANCIAL CRISIS
165

Gheorghe CARAIANI: **ELECTRONIC CONTRACTING
 IN INTERNATIONAL TRANSACTIONS**
117

Adriana DUȚESCU, Georgiana Oana STĂNILĂ, Daniela
 SAHLIAN, Vlad DUȚESCU: **THE EVALUATION OF
 MANAGERIAL ABILITIES WITHIN DENTISTRY.
 RESEARCH BASED ON PILOT SURVEY**
169

Floarea GEORGESCU: **IAS 7: THE CASH FLOW
 SITUATIONS - TRANSPOSITION ACCOUNTING OF
 CALCULATED REVENUE AND EXPENDITURE**
123

Romulus ANDREICA, Mohammad Hadi JARADAT,
 Cristina ANDREICA: **THE COST-BENEFIT ANALYSIS
 IN THE MANAGEMENT OF THE INVESTMENT
 PROJECTS**
173

Floarea GEORGESCU : **THE STRATEGIC
 DIRECTIONS OF THE SUSTAINABLE
 DEVELOPMENT IN ROMANIA**
131

Alina – Irina POPESCU: **SMEs COMPETENCE
 BUILDING TO CREATE COMPETITIVE
 ADVANTAGES**
134

Minodora URSACESCU: **COMPETITIVE
 INTELLIGENCE – STRATEGIC MANAGEMENT
 INSTRUMENT IN THE CONTEMPORARY
 ORGANISATION**
176

SOCIAL ENGINEERING AND OTHER ACTIVITIES

Silvia CRISTEA, Camelia STOICA: **THE ROMANIAN REGULATION OF FAMILY ENTERPRISES, AND HOW IT INVOLVES THE METALLURGICAL INDUSTRY**

.....182

Ioana Nely MILITARU: **ASPECTS OF NOVELTY INTRODUCED BY THE TREATY OF LISBON AMENDING THE TREATY ESTABLISHING THE EUROPEAN COMMUNITY TREATY CALLED THE FUNCTIONING OF THE EU TREATY**

.....186

Camelia STOICA: **REGULATING THE CONCEPTS OF EXECUTIVE AND NON EXECUTIVE POSITION IN THE TRADE COMPANY LAW NO. 31/1990. INFLUENCES ON METALLURGICAL COMPANIES**

.....191

Gabriel I. NASTASE, Dan C. BADEA, Dragos Ionut G. NASTASE: **GENERAL CONCEPTS OF POLITICAL SCIENCE**

.....195

Luminița NICOLESCU: **GOVERNANCE IN HIGHER EDUCATION: THEORIES AND PRACTICES APPLIED IN METALLURGICAL INDUSTRY**

.....201

Constantin BRATIANU: **KNOWLEDGE GENERATION IN THE ROMANIAN UNIVERSITIES AND HOW IT IS PRESENT IN MATERIALS SCIENCE DEPARTAMENTS**

.....206

Teodora DOMINTEANU: **THE DECISION, IN VIEW OF SPORT MANAGEMENT**

.....209



DATA BASES



• According to paragraph 2.6 of license agreement between EBSCO Publishing Inc. (U.S.A.) and FUNDAȚIA METALURGIA ROMÂNĂ (ROMÂNIA) the journals METALURGIA and METALURGIA INTERNATIONAL are included in EP Products, starting from July 1st, 2006.

• These journals are included on EBSCO's site: www.ebscohost.com, chapter „Computers and Applied Sciences Complete”, positions 1026 and 1027.

• Starting from January 1st, 2007 the journal METALURGIA INTERNATIONAL is also in the SCOPUS database, belonging to ELSEVIER BIBLIOGRAPHIC DATABASES – Amsterdam (Netherlands).

• We inform our authors and readers that now our magazine “METALURGIA INTERNATIONAL” is introduced in **THOMSON SCIENTIFIC MASTER JOURNAL LIST**, letter M, position 400. For next information please access www.isinet.com position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>

METALURGIA INTERNATIONAL is evaluated by Romanian Council for Research and Development in Universities into category “A” (see CNCIS Website).

• The publisher is honoured to inform the readers and authors that beginning with volume XII (2007), METALURGIA INTERNATIONAL is indexed and abstracted in the following:

- Science Citation Index Expanded (also known as Sci Search*)
- Journal Citation Reports/Science Edition

These elements represent Thomson Reuters products and custom information services.

- The “METALURGIA INTERNATIONAL” magazine receives manuscripts of papers including basic scientific research and industrial research in the following fields: metallurgy, materials science and engineering and different relating processes.
- Original papers not previously publishing in any other journal, or not sent for publishing before, are accepted.
- After publication, the copyright is transferred to the publishing house.
- Every manuscript will be referred, their reports form the basis of the Editor’s decision.

- The manuscripts sent to the Editor will not returned to the author, even they are not by published.
- The manuscripts will be sent to the following address:

METALURGIA INTERNATIONAL
83, Calea Griviței, sector 1, Postal code
010705, postal office 12
Bucharest, Romania

Tel.: +(40)-021-310 71 38; +(40)-021-0722 665
071;

Fax: +(40)-021-310 71 38

E-mail: redactia@metalurgia.ro; See also web:
www.metalurgia.ro



REDACTION

