Contents of INDUSTRIAL HEALTH

Volume 49, 2011

No. 1

Editorial
Is the Statistics for Occupational Diseases Relating to Chemical Exposures in Japan Working Effectively?
Yasutaka OGAWA ................................................................. 1

Review Article
Work-related Cerebrovascular and Cardiovascular Diseases (WR-CVDs) in Korea
Jungsun PARK, Yangho KIM and Naomi HISANAGA .................................................... 3

Original Articles
Changes in Oxidative Stress Biomarker and Gene Expression Levels in Workers Exposed to Volatile Organic Compounds
Jin Hee KIM, Jae Yong MOON, Eun-Young PARK, Kwan-Hee LEE and Yun-Chul HONG ...................... 8

An Integrated Model for the Assessment of Stress-related Risk Factors in Health Care Professionals
Elisa ALBINI, Silvia ZONI, Giovanni PARRINELLO, Laura BENEDETTI and Roberto LUCCHINI .......... 15

Use of a Holder-vacuum Tube Device to Save On-site Hands in Preparing Urine Samples for Head-space Gas-chromatography, and Its Application to Determine the Time Allowance for Sample Sealing
Toshio KAWAI, Kimiaki SUMINO, Fumiko OHASHI and Masayuki IKEDA .................................... 24

Effects of Load Carrying Methods and Stair Slopes on Physiological Response and Postures during Stairs Ascending and Descending
Hsien-Yu TSENG and Bor-Shong LIU ........................................................................... 30

Skin Lead Contamination of Family Members of Boat-caulkers in Southern Thailand
Orrapan UNTIMANON, Alan GEATER, Virasakdi CHONGSUUVIVATWONG,
Wiyada SAETIA and Sutida UTAPAN ........................................................................... 37

Safety Evaluation of Rock Wool after Nasal Inhalation in Rats
Yuichiro KUDO and Yoshiharu AIZAWA ........................................................................... 47

A Study on Industrial Accident Rate Forecasting and Program Development of Estimated Zero Accident Time in Korea
Tae-gu KIM, Young-sig KANG and Hyung-won LEE ............................................................ 56

Personal Exposure to Metal Fume, NO₂, and O₃ among Production Welders and Non-welders
Todd Schoonover, Lorraine CONROY, Steven LACEY and Julie PLAVKA .................................. 63

Exploring Risk Groups Workplace Bullying with Categorical Data
Guy Nometoer, Jeroen K. VERNOUT, Elfi BAILLIE, Ståle EINARSEN and Hans De WITTE ............ 73

Respiratory Morbidity Induced by Occupational Inhalation Exposure to Formaldehyde
Masoud NEGHAB, Ahmad SOLTANZADEH and Alireza CHOORBINEH ................................. 89

Thermal Environment Assessment Reliability Using Temperature —Humidity Indices
Francesca Romana d’AMBROSIO ALFANO, Boris Igor PALELLA and Giuseppe RICCIO ............. 95

Assessment of the Charged Aerosol Value in Copy Centers
Myeong-Deok HAN, Keun-Young KIM and Seung-Cheol HONG ........................................... 107

Short Communication
Job Satisfaction, Common Cold, and Sickness Absence among White-collar Employees: A Cross-sectional Survey
Akinori NAKATA, Masaya TAKAHASHI, Masahiro IRIE, Tapas RAY and Naomi G. SWANSON .......... 116
Case Reports

Pericardial Plaque: A Unique Complication of Silicosis
Iraj MOHEBBI, Abolfath LAMEEI, Behzad BOOSHEHRI, Naser ASLANABADI, Reza MAASOMI and Mohammadreza DEHGHANI .................................................. 122

Monitoring of Occupational Exposure to Volatile Organohalogen Solvents (VOXs) in Human Urine Samples of Dry-cleaner Workers by TLHS-DAI-GC-ECD Procedure
Irena RUTKIEWICZ, Natalia JAKUBOWSKA, Zaneta POLKOWSKA and Jacek NAMIEŚNIK ................................. 126

Field Report

Occupational Exposure in Methyl Bromide Manufacturing Workers: 17-year Follow-up Study of Urinary Bromide Ion Concentration for Biological Monitoring
Yuko YAMANO, Tomoko TOKUTAKE, Sumiko ISHIZU and Toshio NAKADATE ........................................... 133

Erratum
...................................................................................................................................................... 139

No. 2

Editorial

Shift Work, Severe Sleepiness and Safety
Torbjörn ÅKERSTEDT and Göran KECKLUND ................................................................. 141

Original Articles

Work-related Violence against Security Guards — Who is Most at Risk?
Tuula LEINO, Risto SELIN, Heikki SUMMALA and Marianna VIRTANEN ....................................................... 143

Abnormal Expression of 8-Nitroguanine in the Brain of Mice Exposed to Arsenic Subchronically
Fengyuan PIAO, Sheng LI, Qiujuan LI, Jianxin YE and Shuang LIU ......................................................... 151

Health-related Quality of Life and Its Main Related Factors among Nurses in China
Si-Ying WU, Huang-Yuan LI, Jun TIAN, Wei ZHU, Jian LI and Xiao-Rong WANG ........................................ 158

Malignant Mesothelioma: A Clinical Study of 238 Cases
Steven E. HABER and Jason M. HABER ................................................................................................. 166

Active Job, Healthy Job? Occupational Stress and Depression among Hospital Physicians in Taiwan
Liang-Jen WANG, Chih-Ken CHEN, Shih-Chieh HSU, Sheng-Yu LEE, Chin-Sheng WANG and Wan-Yu YEH .................................................. 173

Physiological Strains of Wearing Aluminized and Non-aluminized Firefighters’ Protective Clothing during Exercise in Radiant Heat
Chinmei CHOU, Yutaka TOCHIHARA, Mohamed Saat ISMAIL and Joo-Young LEE ........................................... 185

Influence of Coffee Intake on Urinary Hippuric Acid Concentration
Masanori OGAWA, Yoshihiro SUZUKI, Yoko ENDO, Toshihiro KAWAMOTO and Fujio KAYAMA ..................... 195

Comparison of Physician’s Advice for Non-specific Acute Low Back Pain in Japanese Workers: Advice to Rest Versus Advice to Stay Active
Ko MATSUDAIRA, Nobuhiro HARA, Mayumi ARISAKA and Tatsuya ISOMURA ......................................... 203

Health, Safety and Environmental Risk of a Gas Pipeline in an Oil Exploring Area of Gachsaran
Omid KALATPOOR, Kambiz GOSHTASP and Solieman KHAVAJI ......................................................... 209

Short Communication

Translocation of Intratracheally Instilled Multiwall Carbon Nanotubes to Lung-Associated Lymph Nodes in Rats
Shigetoshi AISO, Hisayo KUBOTA, Yumi UMEUDA, Tatsuya KASAI, Mitsutoshi TAKAYA, Kazunori YAMAZAKI, Kasuke NAGANO, Toshio SAKAI, Shigeiki KODA and Shoji FUKUSHIMA ............................................................... 215
Field Reports
Exposure to Respirable Particulates and Silica in and around the Stone Crushing Units in Central India
Krishnendu MUKHOPADHYAY, Ayyappan RAMALINGAM, Ragunathan RAMANI,
Venkatesan DASU, Arulselvan SADASIVAM, Pramod KUMAR, Shyam Narayan PRASAD,
Sankar SAMBANDAM and Kalpana BALAKRISHNAN .................................................. 221

Menstrual Cycle and Menstrual Pain Problems and Related Risk Factors among Japanese Female Workers
Michiko NOHARA, Mikio MOMOEDA, Toshiro KUBOTA and Masao NAKABAYASHI .............. 228

A Comparison of Blood Lead Levels between Migrant and Native Lead Workers Before and After Implementation of a New Employment Permit System for Migrant Workers
Nam-Soo KIM and Byung-Kook LEE ............................................................................. 235

Exposure Level and Distribution Characteristics of Airborne Bacteria and Fungi in Seoul Metropolitan Subway Stations
Ki Youn KIM, Yoon Shin KIM, Daekeun KIM and Hyeon Tae KIM ........................................ 242

Symptoms of Intoxication in Dentists Associated with Exposure to Low Levels of Mercury
Masoud NEGHAB, Alireza CHOOBINEH, Jafar HASSAN ZADEH and Ebrahim GHADERI ......... 249

Research Strategy
Lead Exposure in Female Workers Who are Pregnant or of Childbearing Age
Mohsen VIGEH, Hiroyuki SAITO and Shin-ichi SAWADA ................................................ 255

No. 3
Editorial
Mini-special Issue of ISISH 2010
Yutaka MAEDA and Mizuki YAMAGUMA ......................................................................... 263

SELECTED PAPERS FROM INTERNATIONAL CONFERENCE:
International Symposium on Industrial Safety and Health 2010
Original Articles
Circulatory and Central Nervous System Responses to Different Types of Mental Stress
Xinxin LIU, Koichi IWANAGA and Shigeki KODA ............................................................ 265

Measuring Exposed Magnetic Fields of Welders in Working Time
Sachiko YAMAGUCHI-SEKINO, Jun OJIMA, Masaki SEKINO,
Minoru HOJO, Hiroyuki SAITO and Tsutomu OKUNO ..................................................... 274

Review Article
Regulatory Approaches to Worker Protection in Nanotechnology Industry in the USA and European Union
Vladimir MURASHOV, Paul SCHULTE, Charles GERACI and John HOWARD ...................... 280

Original Articles
Effectual Points of View in Occupational Health Management for Persons with Cerebral Palsy
—Interventional Case Approach in VDT Work—
Hiroji TSUJIMURA, Kazushi TAOUDA and Teruyo KITAHARA ........................................ 297

An Effective Physical Fitness Program for Small and Medium-sized Enterprises
Han Hui TSAI, Shu Mei PENG, Ching Ying YEH, Chiou Jong CHEN and Ruey Yu CHEN .......... 311

Work Form Affects Maximum Oxygen Uptake for One Year in Workers
Takayoshi HIRAI, Yukinori KUSAKA, Narufumi SUGANUMA, Akihiko SEO and Yoshiie TOBITA 321

The Alterations in Neurotransmitters and Their Metabolites in Discrete Brain Regions
in the Rats after Inhalation of Disinfectant, Glutaraldehyde or ortho-Phthalaldehyde for 4 Weeks
Hiroshi KATAGIRI, Tetsushi YAMAMOTO, Ayako UCHIMURA,
Masashi TSUNODA, Yoshiharu AIZAWA and Hiroshi YAMAUCHI ..................................... 328
Comparative Evaluation of GFAAS and ICP-MS for Analyses of Cadmium in Blood
Yoshinari FUKUI, Fumiko OHASHI, Sonoko SAKURAGI, Jiro MORIGUCHI and Masayuki IKEDA …… 338

Investigation of Gene Expression of MMP-2 and TIMP-2 mRNA in Rat Lung in Inhaled Nickel Oxide and Titanium Dioxide Nanoparticles
Yasuo MORIMOTO, Takako OYABU, Akira OGAMI, Toshihiko MYOJO, Etushi KURODA,
Masami HIROHASHI, Manabu SHIMADA, Wuled LENGGORO, Kikuo OKUYAMA and Isamu TANAKA … 344

The Impact of Organizational Changes on Work Stress, Sleep, Recovery and Health
Jana GREUBE and Göran KECKLUND ………………………………………………………………………… 353

A Lifestyle to Prevent or Combat the Metabolic Syndrome among Japanese Workers: Analyses Using the Health Belief Model and the Multidimensional Health Locus of Control
Yasushi KUDO, Mitsushi OKADA, Masashi TSUNODA, Toshihiko SATOH and Yoshiharu AIZAWA … 365

Evaluation of Asbestos Exposure during Brake Repair and Replacement
Hossein KAKOOEI, Maryam HORMOZY and Hossein MARIORYAD ……………………………………… 374

Factors Contributing to Medical Errors and Incidents among Hospital Nurses
—Nurses’ Health, Quality of Life, and Workplace Predict Medical Errors and Incidents—
Chiaki ARAKAWA, Yuka KANOYA and Chifumi SATO ………………………………………………… 381

Short Communications
Night Work, Fatigued Driving and Traffic Law: The Case of Police Officers
Igor RADUN, Jussi OHISALO, Jenni RADUN and Göran KECKLUND ……………………………………… 389

Generation Rate of Carbon Monoxide from Burning Charcoal
Jun OJIMA ………………………………………………………………………………………………………… 393

Aldh2 Knockout Mice Were More Sensitive to DNA Damage in Leukocytes due to
Ethyl Tertiary Butyl Ether Exposure
Zuquan WENG, Megumi SUDA, Katsumi OHTANI, Nan MEI,
Toshihiro KAWAMOTO, Tamie NAKAJIMA and Rui-Sheng WANG ……………………………………… 396

No. 4

Editorial
Participatory Work Improvement in Small Workplaces
Toru ITANI ………………………………………………………………………………………………………… 401

Original Articles
The Mechanical Effect of Anterior Pelvic Tilt Taping on Slump Sitting by Seated Workers
Jung-Hoon LEE and Won-Gyu YOO ………………………………………………………………………… 403

Quantitative Evaluation of Distortion in Sketching under Mono and Dual Axes Whole Body Vibration
M.K. BHIWAPURKAR, V. H. SARAN and S.P. HARSHA ………………………………………………… 410

Organic Solvent Use in Research Institutions in Japan
Yasuhiro NAGASAWA, Hirohiko UKAI, Satoru OKAMOTO, Hajime SAMOTO,
Kenji ITOH, Jiro MORIGUCHI, Sonoko SAKURAGI, Fumiko OHASHI,
Shiro TAKADA, Takuya KAWAKAMI and Masayuki IKEDA …………………………………………… 421

Relationship between Autonomic Nervous System Activity during Sleep and Fasting Glucose in Japanese Workers
Naoki KAMATA, Katsutoshi TANAKA, Shiho MORITA, Hirokuni TAGAYA,
Masatoshi KAWASHIMA, Masayoshi SHICHIRI and Hitoshi MIYAOKA …………………………… 427

Factors of Working Conditions and Prolonged Fatigue among Teachers at Public Elementary and Junior High Schools
Midori SHIMIZU, Koji WADA, Guoqin WANG, Masatoshi KAWASHIMA, Yae YOSHINO,
Hiroko SAKAGUCHI, Hiroshi OHTA, Hitoshi MIYAOKA and Yoshiharu AIZAWA ………………… 434

Effect of Cold Conditions on Manual Performance while Wearing Petroleum Industry Protective Clothing
Øystein Nordrum WIGGEN, Sigri HEEN, Hilde FÆREVIK and Randi Eidsmo REINERTSEN ……… 443
Mental Health, Suicidal Ideation, and Related Factors among Workers from Medium-sized Business Establishments in Northern Japan: Comparative Study of Sex Differences
Eri TAKUSARI, Mitsuru SUZUKI, Hikaru NAKAMURA and Kotaro OTSUKA .................................................. 452

Subjective Symptoms of Female Workers Sorting Goods in Summer
Ryoichi INABA, Mayumi OKUMURA and Seyed Mohammad MIRBOD .......................................................... 464

Vitamin D Deficiency and Seasonal and Inter-day Variation in Circulating 25-hydroxyvitamin D and Parathyroid Hormone Levels in Indoor Daytime Workers: A Longitudinal Study
Hiroaki ITOH, Ippei MORI, Yuki MATSUMOTO, Syou MAKI and Yasutaka OGAWA .................................................. 475

Postures and Movements in the Most Common Tasks of Power Line Workers
Cristiane Shinohara MORIGUCHI, Letícia CARNAZ, Jeronimo Farias de ALENCAR, Luiz Carlos MIRANDA JÚNIOR, Lothy GRANQVIST, Gert-Åke HANSSON and Helenice Jane Cote GIL COURY .......................................................... 482

Characterization of Wood Dust from Furniture by Scanning Electron Microscopy and Energy-dispersive X-ray Analysis
Milena Elizabeth GÓMEZ YEPES and Lázaro V. CREMADES ............................................................................. 492

Conflicts at Work —The Relationship with Workplace Factors, Work Characteristics and Self-rated Health
Gabriel OXENSTIERNAN, Linda L. MAGNUSSON HANSON, Maria WIDMARK, Kristina FINNHOLM, Cecilia STENFORS, Stig ELOFSSON and Töres THEORELL .......................................................... 501

Estimation of the Prevalence of Latent Abnormalities in the Lung and the Accuracy of Indirect Chest X-ray Examination among Japanese Workers of Different Age Groups
Chika TAKAHASHI, Satoru SHIMIZU, Noriko KOJIMA and Naohito YAMAGUCHI .................................................. 511

Short Communication
Musculoskeletal Disorder Costs and Medical Claim Filing in the US Retail Trade Sector
Anasua BHATTACHARYA and J. Paul LEIGH ........................................................................................................ 517

Case Report
Tractor Controls Actuating Force Limits for Indian Operators
C.R. MEHTA, M.M. PANDEY, P.S. TIWARI, L.P. GITE and Abhijit KHADATKAR .................................................. 523

Field Report
Organic Solvent Use in Enterprises in Japan
Yasuhiro NAGASAWA, Hirohiko UKAI, Satoru OKAMOTO, Hajime SAMOTO, Kenji ITOH, jiro MORIGUCHI, Sonoko SAKURAGI, Fumiko OHASHI, Shiro TAKADA, Tetsuya KAWAKAMI and Masayuki IKEDA .......................................................... 534

ERRATUM ......................................................................................................................................................... 543

No. 5

Editorial
Nanotechnology Health and Safety —What Can Occupational Health Professionals Do?
Judy SNG and Sin-Eng CHIA ......................................................................................................................... 545

Original Articles
Rumble Strips in Centre of the Lane and the Effect on Sleepy Drivers
Anna ANUND, Christer AHLSTRÖM, Göran KECKLUND and Torbjörn ÅKERSTEDT ........................................... 549

Expert Review for GHS Classification of Chemicals on Health Effects
Takeshi MORITA and Kaoru MORIKAWA ........................................................................................................... 559

Effects of Menopausal Hot Flashes on Mental Workload
Mi Kyong PARK, Noriaki SATOH and Masaharu KUMASHIRO ........................................................................ 566
Effects of Wearing the Wrong Glove Size on Shoulder and Forearm Muscle Activities during Simulated Assembly Work
In-Gyu YOO, Jin LEE, Min-Ye JUNG and Joo-Hyun LEE .......................................................... 575

Burnout and Job Stress among Mongolian Doctors and Nurses
Ariunsanaa BAGAAJAV, Sugarmaa MYAGMARJAV, Khuderchuluun NANJID,
Saranchuluun OTGON and Young Moon CHAE ................................................................. 582

Comparison of Sleep-related Cardiac Autonomic Function between Rotating-shift and Permanent Night-shift Workers
Min-Huey CHUNG, Terry BJ KUO, Nanly HSU, Kuei-Ru CHUO, Hsin CHU and Cheryl C.H. YANG ...... 589

Influence of Shift-work on Selected Immune Variables in Nurses
Alfredo COPERTARO, Massimo BRACCI, Rosaria GESUITA, Flavia CARLE, Monica AMATI,
Maurizio BALDASSARI, Eugenio MOCCHEGIANI and Lory SANTARELLI ................................ 597

The Effects of Work Environments on Thermal Strain on Workers in Commercial Kitchens
Hiroe MATSUZUKI, Akiyoshi ITO, Makoto AYABE, Yasuo HARUYAMA,
Shigeru TOMITA, Shizuo KATAMOTO and Takashi MUTO ................................................... 605

Morphologic Classification of Nailfold Capillary Microscopy in Workers Exposed to Hand-arm Vibration
Shunji SAKAGUCHI, Nobuyuki MIYAI, Shigeki TAKEMURA, Jin FUKUMOTO, Taro TOMURA,
Maki SHIOZAKI, Shigeki KURASAWA, Katsushi YOKOI, Kazufumi TERADA,
Kouichi YOSHIMASU and Kazuhisa MIYASHITA ..................................................................... 614

Effects of Trichlorfon on Maternal Estrous Cycle, Oocyte Maturation, and Near-term Fetal Developmental Outcome in Mice
Guodong DING, Shufang ZHOU, Ying TIAN, Yu GAO and Rong SHI .......................................... 619

Pleural Plaque Profiles on the Chest Radiographs and CT Scans of Asbestos-exposed Japanese Construction Workers
Momen ELShaZLEY, Eiji SHIBATA, Naomi HISANAGA, Gaku ICHIHARA,
Ashraf A. EWIS, Michihiro KAMIJIMA, Sahoko ICHIHARA, Kiyoshi SAKAI,
Mitsuo SATO, Masashi KONDO and Yoshinori HASEGAWA ................................................... 626

Correlates to Sleepiness on Night Shift among Male Workers Engaged in Three-shift Work in a Chemical Plant: Its Association with Sleep Practice and Job Stress
Takayuki KAGEYAMA, Toshio KOBAYASHI and Ayano ABE-GOTOH ........................................ 634

Occupational Injuries in Automobile Repair Workers
Heer VYAS, Subir DAS and Shashank MEHTA ......................................................................... 642

Short Communications
No Difference in Self Reported Health among Coalminers in Two Different Shift Schedules at Spitsbergen, Norway, a Two Years Follow-up
Rolf HANOA, Valborg BASTE, Arne KOOJ, Linda SOMMERVOLD and Bente Elisabeth MOEN .......... 652

Hiroaki ITOH, Zuquan WENG, Hiroyuki SAITO, Yasutaka OGAWA, Kunio NAKAYAMA,
Masako HASEGAWA-OHIRA, KANEHISA MORIMOTO, Syou MAKI and Masaya TAKAHASHI ....... 658

Field Report
Autopsy Cases of Lung Cancer and Liver Cancer among Japanese Dentists
—A Review of the Annual of the Pathological Autopsy Cases in Japan
Nobuhiro NISHIO, Hideo TANAKA, Junko NISHIO, Katsuyasu KOUDA and Tatsuya TAKESHITA ....... 663
No. 6

Editorial
The Lessons of September 11
Michael A. CRANE, Debra J. MILEK, Yelena GLOBINA, Leah SEIFU and Philip J. LANDRIGAN ............ 673

Original Articles
Association of Social Skills with Psychological Distress among Female Nurses in Japan
Ayako UCHIYAMA, Yuko ODAGIRI, Yumiko OHYA, Ayako SUZUKI,
Kayoko HIROHATA, Shotaro KOSUGI and Teruichi SHIMOMITSU ......................................................... 677

An Operative Measure of Workplace Bullying: The Negative Acts Questionnaire Across Italian Companies
Gabriele GIORGI, Alicia ARENAS and Jose M. LEON-PEREZ ............................................................ 686

Isometric Push and Pull Strengths of Young Taiwanese Males
Yi-Lang CHEN, Yu-Chi LEE and Tin-Chi HSU ................................................................. 696

Airborne Concentrations of Organophosphorus Pesticides in Korean Pesticide Manufacturing/Formulation
Workplaces
Don-Hee HAN .................................................................................................................. 703

Validity of Infrared Tympanic Temperature for the Evaluation of Heat Strain While Wearing Impermeable
Protective Clothing in Hot Environments
Joo-Young LEE, Kouhei NAKAO, Naoki TAKAHASHI,
Su-Young SON, Ilham BAKRI and Yutaka TOCHIHARA .......................................................... 714

A Proposal of Method for Evaluating Airborne MWCNT Concentration
Mariko-ONO-OGASAWARA and Toshihiko MYOJO ........................................................................ 726

Impact of Air Distribution on Efficiency of Dust Capture from Metal Grinding —Bench Test Method
Tomasz JANKOWSKI .............................................................................................................. 735

Oxidative Stress Markers in Exhaled Breath Condensate in Lung Fibroses Are Not Significantly Affected
by Systemic Diseases
Daniela PELCLOVÁ, Zdenka FENCLOVÁ, Kamila SYSLOVÁ, Štěpánka VLČKOVÁ,
Jindřiška LEBEDOVÁ, Ondřej PECHA, Jaromír BĚLÁČEK, Tomáš NAVRÁTIL,
Marek KUZMA and Petr KAČER ............................................................................................. 746

The Effect of Wok Size and Handle Angle on the Maximum Acceptable Weights of Wok Flipping by Male Cooks
Swei-Pi WU, Cheng-Pin HO and Chin-Li YEN ........................................................................ 755

A Comparison of Mandatory and Voluntary Approaches to the Implementation of Globally Harmonized
System of Classification and Labelling of Chemicals (GHS) in the Management of Hazardous Chemicals
Goh Choo TA, Mazlin Bin MOKHTAR, Peter John PETERSON and Nadzri Bin YAHAYA ................. 765

Field Report
Finnish Occupational Physicians’ and Nurses’ Experience of Work Related Stress Management: A Qualitative Study
Maritta KINNUNEN-AMOROSO ..................................................................................................... 774

Author Index to Volume 49 (2011) ................................................................................................................. 779

Subject Index to Volume 49 (2011) ............................................................................................................... 784

Acknowledgements ...................................................................................................................................... 790