

Content

メタデータ	言語: eng 出版者: 公開日: 2017-10-05 キーワード (Ja): キーワード (En): 作成者: メールアドレス: 所属:
URL	http://hdl.handle.net/2297/6495

CONTENT

SUBDUCTION - RELATED GEOCHEMICAL IMPRINTS ON PHILIPPINE OPHIOLITES: IMPLICATIONS FOR THE GEODYNAMIC EVOLUTION OF THE WESTERN PACIFIC	1
Rodolfo A. TAMAYO Jr., Graciano P. YUMUL Jr. and Carla B. DIMALANTA. <i>Tectonics and Geodynamics Group, National Institute of Geological Sciences, University of the Philippines, Philippines</i>	
PETROGENESIS AND GEOLOGICAL SIGNIFICANCES OF ULTRAMAFIC ROCKS IN HONGSEONG AREA, GYEONGGI MASSIF, SOUTH KOREA	2
V.J. RAJESH, C.W. OH, S.W. KIM and Shoji ARAI <i>Department of Earth and Environmental Sciences, Chonbuk National University, Korea</i>	
PETROLOGY OF ABYSSAL PERIDOTITES IN DIVERSE TECTONIC SETTINGS: GENERALITIES AND DIFFERENCES IN MANTLE MELTING, MELT EXTRACTION AND POST-MELTING PROCESSES, AND SIGNIFICANCE OF SMALL-SCALE VARIATIONS	4
Tomoaki MORISHITA, Shoji ARAI and Yoshito ISHIDA <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
PETROLOGICAL CHARACTERISTICS OF THE BOU-AZZER OPHIOLITE, ANTI-ATLAS, MOROCCO: NATURE OF PROTEROZOIC OCEANIC LITHOSPHERE	6
Hisham A. GAHLAN, Shoji ARAI and Ahmed H. AHMED <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
FAILURE ANALYSIS OF GEOMATERIALS UNDER DYNAMIC LOADING CONDITIONS	8
H. W. ZHANG and K. P. WANG <i>Department of Engineering Mechanics, State Key Laboratory of Structural Analysis and Industrial Equipment, Dalian University of Technology, China</i>	
PRECISE NUMERICAL SOLUTION OF SOIL CONSOLIDATION EFFECT	10
Zichen DENG, Lixin HUANG <i>Department of Engineering Mechanics, Northwestern Polytechnical University, China</i>	
AN EXPERIMENTAL STUDY ON SEDIMENT TRANSPORT PROCESSES FOR RECONSTRUCTION OF PAST HYDROLOGICAL ENVIRONMENT	12
Shinya OCHIAI and Kenji KASHIWAYA <i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
HILLSLOPE EROSION AND SEDIMENTATION ON LAKE CATCHMENTS IN SOUTH KOREA	14
Orkhonselenge ALEXANDER, Tamai MATSUOKA, Yukiya TANAKA and Kenji KASHIWAYA <i>Department of Geography, Kyung Hee University, Korea</i>	
EFFECT OF TREE ON SIDE-WALL FAILURE IN EXPANDING GULLY DURING ONE RAINFALL EVENT, SOUTH KOREA	16
Jin-Kwan KIM, Dong-Yoon YANG, Ju-Yong KIM and Min-Seok KIM <i>Geological & Environmental Hazards Division, Korea Institute of Geoscience & Mineral Resources(KIGAM), Korea</i>	

SEASONAL CHANGE OF LAKE SEDIMENTS WITH WATER MOVEMENTS AND CLIMATIC CHANGES IN THE NORTH BASIN OF LAKE BIWA	17
Yasuaki AOTA, Kenji KASHIWAYA and Michio KUMAGAI	
<i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
COMPARATIVE ANATOMY OF REPRODUCTIVE SYSTEM OF SOME SPECIES OF SEMISULCOSPIRA (MESOGASRTROPODA: PLEUROCERIDAE) FROM JAPAN AND SOUTH KOREA	19
Anna V. RASSCHEPKINA	
<i>Institute of Biology and Soil Science, Far East Branch Russian Academy of Sciences, Russia</i>	
VEGETATION AND CLIMATE CHANGES IN THE SOUTH OF WEST SIBERIA, NOVOSIBIRSK REGION SINCE MIDDLE HOLOCENE (PROXIES OF POLLEN DATA)	21
Irina KHAZINA, Valentina VOLKOVA, Sergey KRIVONOGOV, Hikaru TAKAHARA	
<i>Institute of Petroleum Geology SB RAS, Russia</i>	
DATABASES AND INTERNET SERVICES FOR THE ENVIRONMENTAL SCIENCES PROJECTS: OVERVIEW AND LOCAL SOLUTIONS	23
Anna Devyatova	
<i>United Institute Geology Geophysics and Mineralogy SB RAS, Russia</i>	
MOLECULAR MODELING IN ENVIRONMENTAL SCIENCES: APPLICATIONS FOR MINERAL-WATER-ORGANIC MATTERS SYSTEMS	25
Koichi SHIRAKI, Katsuyuki KAWAMURA and Kazue TAZAKI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
THE FERROMANGANESE CRUSTS IN THE SEA COAST SOILS AND THEIR ACTIVITY IN THE PROCESSES OF SOIL SELF-PURIFICATION	27
Yana O. TIMOFEEVA	
<i>Institute of Biology and Soil Science FEB RAS, RUSSIA</i>	
FEATURES OF THE PROCESSES OF HUMUS FORMATION ON THE BOUNDARY BETWEEN CONTINENT AND OCEAN IN THE SEA OF JAPAN AREA	29
Olga B. NESTEROVA and Victoria A. SEMAL	
<i>Institute of Biology and Soil Science FEB RAS, RUSSIA</i>	
SOILS OF SEA COASTS AS HABITATS OF EXTRAORGANISMAL POPULATIONS, AGENTS OF SAPROZOOSES	31
Marina L. Sidorenko	
<i>Institute of Biology and Soil Science FEB RAS, RUSSIA</i>	
LONG-RANGE TRANSPORTATION OF POLYCYCLIC AROMATIC HYDROCARBONS AND NITROPOLYCYCLIC AROMATIC HYDROCARBONS FROM CHINA TO JAPAN	34
Xiaoyang YANG, Yumi OKADA, Ning TANG, Takayuki KAMEDA, Akira TORIBA and Kazuichi HAYAKAWA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
SOME RESULTS ON PARTICULATE PHASE POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN THE URBAN ATMOSPHERE OF KUMAMOTO	36
Hezhe JI, Daizhou ZHANG, Ryoutai SHINOHARA, Wataru FUJIE, Minoru KOGA and Zongbo SHI	
<i>Faculty of Environmental and Symbiotic Sciences Prefectural University of Kumamoto, Japan</i>	

LONG RANGE TRANSPORT OF PAHS WITH ASIAN DUST	38
Shuji TAMAMURA, Tsutomu SATO, Yukie OTA, Ning TANG and Kazuichi HAYAKAWA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ENVIRONMENTAL OCCURRENCE OF POLYCYCLIC AROMATIC HYDROCARBONS AND NITRO-POLYCYCLIC AROMATIC HYDROCARBONS IN PARTICULATE MATTERS IN HO CHI MINH CITY, VIET NAM AND OSAKA, JAPAN	40
Thi Hien TO, Phuong Nam PHAM, Takayuki KAMEDA and Norimichi TAKENAKA,	
<i>Osaka Prefecture University, Japan</i>	
THE IMPACT OF TRANS-BOUNDARY TRANSPORT OF CARBONACEOUS AEROSOLS ON THE REGIONAL AIR QUALITY IN THE UNITED STATES	42
Hee-Jin IN, Daewon W. BYUN, Rokjin J. PARK, Nan-Kyoung MOON, Soontae KIM and Sharon ZHONG	
<i>Institute for Multidimensional Air Quality Studies, University of Houston, Korea</i>	
<i>Environmental and Environmental Science and Engineering, Ewha Womans University (present affiliation), Korea</i>	
MODELING OF DUST EMISSION IN NORTHWEST CHINA	44
Yanbo SHEN	
<i>Institute of Atmospheric Physics, Chinese Academy of Sciences, China</i>	
FEATURES OF MINERAL DUST AEROSOLS COLLECTED IN THE FREE TROPOSPHERE OVER DUNHUANG, CHINA	46
Maromu YAMADA, Yasunobu IWASAKA, Guangyu SHI, Atsushi MATSUKI, Dmitri TROCHKINE, Daizhou ZHANG, Masahiro NAGATANI, Hiroshi NAKATA, Bin CHEN, Yoon-Suk KIM, Tetsuji NAGATANI and Shen ZHIBAO	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
MINERALOGICAL AND CHEMICAL FEATURES OF DUST PARTICLES COLLECTED IN THE TROPOSPHERE OVER DESERT AREAS AND OVER JAPAN	48
Dmitri TROCHKINE, Yasunobu IWASAKA, Maromu YAMADA, Atsushi MATSUKI, Yoon-Suk KIM, Tetsuji NAGATANI, T. Shibata, Masahiro NAGATANI, Hiroshi NAKATA, Guangyu SHI and Daizhou ZHANG	
<i>Institute for Water and Environmental Problem, Siberian Branch Russian Academy of Science, Russia</i>	
A NUMERICAL STUDY OF YELLOW SAND TRANSPORT IN STABLY STRATIFIED FLOWS OVER A TWO-DIMENSIONAL MOUNTAIN	50
Yoichi UTANOHARA and Shigeo KIMURA	
<i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
DUST PARTICLES IN THE FREE ATMOSPHERE IN THE ASIAN CONTINENT: FOUR SEASONS BALLOON-BORNE MEASUREMENTS	52
Yoon-Suk KIM, Yasunobu IWASAKA, G.-Y. SHI, Byoung-Choul CHOI, Yoon-Shin KIM, Dmitri TROCHKINE, Atsushi MATSUKI, Maromu YAMADA and Tetsuji NAGATANI	
<i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
ENVIRONMENTAL RADON LEVELS AND ITS EXPOSURE TO THE PUBLIC IN CHINA	54
Qiuju GUO	
<i>Department of Technical Physics, School of Physics, Peking University, China</i>	

BIOASSAY OF RADIOACTIVE POLLUTION OF THE PETER THE GREAT BAY (SEA OF JAPAN) THROUGH MACROPHYTES	56
Kondratiev I.I., Kozhenkova S.I., Solomatova A.F. and Kachur A.N. <i>Pacific Geographical Institute, Vladivostok, Russia</i>	
SEXUAL AND ASEXUAL BREEDING IN PANAX GINSENG C.A. MEYER	58
Tatiana Yu. GORPENCHENKO, Olga G. KOREN and Yuri N. ZHURAVLEV <i>Institute of Biology and Soil Science, Far East Branch of Russian Academy of Sciences, Russia</i>	
EFFECTS OF FOREST FRAGMENTATION ON FLOWER ABORTION, PREDISPERAL ACORN PREDATION AND ACORN PRODUCTION IN A TEMPERATE DECIDUOUS OAK (<i>QUERCUS SERRATA</i>) : A COMPARISON BETWEEN MAST AND NON-MAST YEARS	60
Shin-Ichi TANABE, Kazuya KIMURA, Atsushi OHWAKI and Koji NAKAMURA <i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
EFFECTS OF SATOYAMA RESTORATION ON POLLINATION SYSTEM IN TERRACED PADDIES IN KANAZAWA	62
Ramadhani Eka PUTRA and Koji NAKAMURA <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
INFLUENCES OF HUMAN DISTURBANCE ON PLANT SPECIES DIVERSITY AND THEIR VERTICAL DISTRIBUTION PATTERNS IN GIANT PANDA'S HABITAT OF MT. QINLING IN CHINA	64
Du Xi-Chun and Ren YI <i>College of Life Sciences, Shaanxi Normal University, China</i> <i>Xi'an Universities of Arts and Science, China</i>	
HUMAN ACTIVITIES OF COASTAL AREA AND LAND-BASED WATER POLLUTAND INTO THE SEA OF JAPAN	66
Katsuhiro SAKURAI <i>Senior Researcher, Korea Maritime Institute, Marine Environment and Coastal Management Research Division</i>	
INTEGRATED MARINE LITTER MANAGEMENT IN KOREA	68
Jung-ho NAM <i>Senior Researcher, Korea Maritime Institute, Marine Environment and Coastal Management Research Division</i>	
LEGAL RESPONSES AS MEANS FOR THE PROTECTION OF THE MARINE ENVIRONMENT IN THE JAPAN SEA	70
Kae OYAMA <i>Assistant Professor of International Law, Chukyo University</i>	
DIFFERENTIAL EFFECTS OF PAHS AND PAHS-QUINONE ON OXIDATIVE STRESS DAMAGE IN A549 CELLS	71
Sangwoon CHUNG, Akira TORIBA and Kazuichi HAYAKAWA <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	

URINARY METABOLITES OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) AS MULTI-BIOMARKERS FOR THE ASSESSMENT OF EXPOSURE TO PAHS	73
Thaneeya CHETIYANUKORNKUL, Tippawan Prapamontol, Akira TORIBA, Tang NING, Takayuki KAMEDA and Kazuichi HAYAKAWA	
<i>Environmental Science Program, Faculty of Science, Chiang Mai University, Thailand</i>	
TRANSPORT OF INDIVIDUAL DROPLETS IN CROP SPRAYING	75
Sharleen HARPER, Robert MCKIBBIN and Graeme WAKE	
<i>Institute of Information & Mathematical Sciences, Massey University, New Zealand</i>	
PARTICLE TRANSPORT BY A LAYERED ATMOSPHERE	77
Robert McKIBBIN	
<i>Institute of Information and Mathematical Sciences, Massey University, New Zealand</i>	
VERTICAL VARIABILITY OF THE PARTICULATE MATTER OBSERVED OVER BEIJING DURING A “DUST” PROCESS	79
B. CHEN, G.-Y. SHI, M. HAYASHI, K. YAMASHITA, T. YAMAMOTO, M. YAMADA	
<i>LASG/IAP/CAS, Beijing, China Graduate School of CAS, Beijing, China</i>	
IN WHICH HEIGHT DOES THE OZONE DEFICIT OCCUR OVER THE TIBETAN PLATEAU IN SUMMER? : COMPARISON OF BALLOON-BORNE AND SATELLITE OBSERVATIONS	81
Yutaka TOBO, Yasunobu IWASKA, Yoon-Suk KIM and Guangyu SHI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
MORPHOLOGICAL AND CHEMICAL MODIFICATION OF MINERAL DUST: OBSERVATIONAL INSIGHT INTO THE HETEROGENEOUS UPTAKE OF ACIDIC GASES	83
Atsushi MATSUKI, Yasunobu IWASAKA, Guangyu SHI, Daizhou ZHANG, Dmitri TROCHKINE, Maromu YAMADA, Yoon-Suk KIM, Bin CHEN, Tetsuji NAGATANI, Takeshi MIYAZAWA, Masahiro NAGATANI and Hiroshi NAKATA	
<i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
SATELLITE REPARATION MONITORING OF ATMOSPHERIC AEROSOL IN FINE SPATIAL RESOLUTION OVER NORTHEAST ASIA	85
Kwon H. LEE, Young J. KIM	
<i>Advanced Environmental Monitoring Research Center (ADEMRC), Gwangju Institute of Science and Technology, Korea</i>	
PALEOENVIRONMENTAL CHANGES IN SOUTHERN PRIMORYE IN THE MIDDLE AND LATE HOLOCENE REVEALED ON THE BASIS OF OSTRACOD ANALYSIS	87
E.I. SCHORNIKOV	
<i>Institute of Marine Biology, Far East Branch, Russian Academy of Sciences, Russia</i>	
OSTRACODS OF SINOCYTHERIDEA GENUS IN GEOLOGICAL HISTORY OF PETER THE GREAT BAY (PAN-SEA OF JAPAN)	88
Evgenij I. SCHORNIKOV and Maria A. ZENINA	
<i>Institute of Marine Biology, Far East Branch, Russian Academy of Sciences, Russia</i>	

MOLECULAR EVOLUTION OF THE ENDEMIC GENUS <i>TRIBOLODON</i> SPECIES (TELEOSTEI: CYPRINIDAE) CAUSED BY PALEOENVIRONMENTAL CHANGES IN THE WESTERN NORTH PACIFIC REGION	89
Alisa V. SEMINA <i>Institute of Marine Biology, Far Eastern Branch of Russian Academy of Science, Russia</i>	
MERCURY IN AIR, WATER AND BOTTOM SEDIMENTS OF NORTH-EAST ASIA, INFLUENCE OF NATURAL AND ANTHROPOGENIC MERCURY	91
Maxim IVANOV and Kirill AKSENTOV <i>V.I. Il'ichev Pacific Oceanological Institute, Far Eastern Branch of Russian Academy of Sciences, Russia</i>	
TRANSFORMATIONS OF MERCURY, IRON, AND SULFUR DURING THE REDUCTIVE DISSOLUTION OF IRON-OXYHYDROXIDE BY SULFIDE	93
Aaron J. SLOWEY and Gordon E. BROWN, JR. <i>Department of Geological & Environmental Sciences, Stanford University, USA</i>	
FACTORS AFFECTING ARSENIC RETENTION UNDER ANAEROBIC CONDITIONS	95
Yoko MASUE, Thomas BORCH and Scott FENDORF <i>Department of Geological and Environmental Science, Stanford University, USA</i>	
PHASE TRANSFORMATION OF COAL ASH UNDER BIOCHEMICAL CONDITION AND ITS SIGNIFICANCE ..	97
Lijuan MENG Junfeng SHEN and Shengrong LI <i>School of Earth Sciences and Resources , China University of Geosciences, China</i>	
DISTRIBUTION AND PARTITION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN WATER AND SEDIMENT OF THE RIVERS IN KANAZAWA, JAPAN	99
Anh Dieu VAN, Yoko SANO, Yoshishige HAYASHI and Takuya KAWANISHI <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
BIOASSAY OF ANTHROPOGENIC IMPACT ON THE VOSTOK BAY (SEA OF JAPAN) BY FLORISTIC PARAMETERS OF MACROBENTHOS	101
Svetlana I. KOZHENKOVA <i>Pacific Geographical Institute FEB RAS, Vladivostok, Russia</i>	
THE INFLUENCE OF INTERFERENCE OF THE GEOCHEMICAL EFFECT OF THE PACIFIC OCEAN, BIOTA AND PEDOGENIC WEATHERING ON THE GENESIS AND GEOGRAPHY OF FOREST SOILS OF THE SOUTH FAR EAST	103
Boris F. PSHENICHNIKOV <i>Academy of Ecology, Marine Biology and Biotechnology, Far Eastern State University, Russia</i>	
FRUGIVOROUS BIRD DISTRIBUTION IN RELATION TO FRUIT ABUNDANCE OF FORESTS IN THE JAPAN SEA COAST SIDE OF CENTRAL JAPAN	105
Kazuya KIMURA, Shin-Ichi TANABE and Koji NAKAMURA <i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	

GENETIC VARIABILITY OF THE WINTERING BLACK VULTURE, <i>AEGYPIUS MONACHUS</i>, IN THE SOUTH USSURILAND	107
Olga V. DOLGOVA and Marina V. PAVLENKO	
<i>Laboratory of The Evolutionary Zoology and Genetics of The Institute of Biology and Soil Sciences, Far East Branch of Russian Academy of Sciences, Russia</i>	
FAUNAL COMPOSITION OF MACRO-MOTH IN RURAL HABITATS, COMPARED TO SEMI-NATURAL AND NATURAL HABITATS IN THE SOUTHERN PART OF KOREAN PENINSULA	109
Sei-Woong CHOI, Jeong-seop AN, Marana PARK and Kwon-Il KIM	
<i>Department of Environmental Education, Mokpo National University, Korea</i>	
GUILD STRUCTURE OF GALL MIDGES (DIPTERA: CECIDOMYIIDAE) ASSOCIATED WITH FAGUS CRENATA (FAGACEAE) IN RELATION TO SNOW GRADIENT	111
Shinsuke SATO and Naoto KAMATA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
GASHYDRATE DECOMPOSITION AND METHANE FLUX IN THE OKHOTSK SEA AREA AS RESULT OF SEISMO-TECTONIC ACTIVIZATION	112
Natalia L. PESTRIKOVA, Anna L. VENIKOVA	
<i>V.I. Il'ichev Pacific Oceanological Institute, Far Eastern Branch of the Russian Academy of Sciences, Russia</i>	
GEOCHEMICAL CHARACTERISTICS OF MANTLE PERIDOTITE BENEATH A MATURE ARC	114
Satoko ISHIMARU and Shoji ARAI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
PETROLOGICAL FEATURE OF MANTLE XENOLITHS FROM YEMEN: AN IMPLICATION FOR MANTLE COMPOSITION IN THE RIFTED CONTINENTAL MARGIN	116
Murad ALI, Shoji ARAI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
"LATE INTRUSIVE ROCKS" IN OMAN OPHIOLITE AS A PERIDOTITE/MELT REACTION PRODUCT	118
Yoshitoshi TAKEMOTO, Shoji ARAI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
INSIGHT INTO MATERIAL INPUT FROM THE SLAB INTO THE MANTLE WEDGE: AN APPLICATION OF IN-SITU TRACE-ELEMENT ANALYSIS OF MINERALS BY LA-ICP-MS	120
Yoshito ISHIDA and Shoji ARAI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
MAGMATIC PRODUCTS BY OCEAN FLOOR SPREADING IN MAR: PRELIMINARY ANALYSES OF PERIDOTITES FROM IODP EXP. 304/305 AT ATLANTIS MASSIF, MAR 30°N	122
Akihiro TAMURA, Shoji ARAI, Eric S. ANDAL, Satoko ISHIMARU, Natsue ABE, Shunsaku AWAJI, Daniele BRUNELLI, Allison CHARNEY, David CHRISTIE, Marguerite GODARD, Heidi HANSEN, Eric HELLEBRAND, Kevin T.M. JOHNSON, Jin-Ichiro MAEDA, Yasuhiko OHARA, Martin ROSNER, Günter SUHR, Annette van der HANDT, Toru YAMASAKI and The Expedition 304/305 Shipboard Science Party	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	

HIGH MAGNESIAN DIOPSIDITE DYKES IN THE OMAN OPHIOLITE: EVIDENCE FOR HIGH TEMPERATURE HYDROTHERMAL CIRCULATION IN THE OCEANIC MANTLE	124
Marie PYTHON and Georges CEULENEER	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
DUNITE-WEHLITE-OLIVINE CLINOPYROXENITE SERIES ROCKS FROM THE NORTH FIJI BASIN: PRECIOUS DEEP-SEATED ROCKS FROM THE BACKARC BASIN	126
Hidenobu OKAMURA, Shoji ARAI and Kazuyuki KADOSHIMA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ORIGIN OF SPINEL-PYROXENE SYMPLECTITE IN LHERZOLITE XENOLITHS FROM TALLANTE, SOUTHEAST SPAIN: EVIDENCE FOR MANTLE DIAPIRISM BENEATH THE BETIC-RIF ZONE	128
Yohei SHIMIZU, Shoji ARAI, Tomoaki MORISHITA and Yoshito ISHIDA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
THE REPRODUCTIVE STRUCTURES OF RELICT <i>ARISTOLOCHIA</i> SPECIES, ENDEMICS OF PAN-JAPAN SEA AREA	130
Olga V. NAKONECHNAYA, Alla B. KHOLINA, Olga G. KOREN, Yuri N. ZHURAVLEV	
<i>Institute of Biology and Soil Science, Vladivostok, Russia</i>	
GEOGRAPHICAL DISTRIBUTIONS OF PLANKTIC FORAMINIFERA IN JAPAN SEA SURFACE SEDIMENTS ..	132
Hanako DOMITSU and Motoyoshi ODA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
PALEOBIOGEOGRAPHY OF CENOZOIC OSTRACODES FROM THE SEA OF JAPAN	134
Tatsuhiko YAMAGUCHI and Takahiro KAMIYA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
GROWTH MODE AND FUNCTION OF ABORAL SPINE CANOPY IN THE SAND DOLLAR <i>SCAPHECHINUS MIRABILIS</i> (A. AGASSIZ, 1863)	136
Takuma BANNO, Kazuhiro KITAGAWA, Takahiro KAMIYA, Kenichi KANAZAWA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
PHYLOGENETIC RELATIONSHIP OF INTERTIDAL <i>XESTOLEBERIS</i> (PODOCOPIDA : OSTRACODA) ALONG THE NORTH PACIFIC COASTS	138
Tomomi SATO and Takahiro KAMIYA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
URANIUM-SERIES AGE OF THE HIGHEST MARINE TERRACE OF THE UPPER PLEISTOCENE ON KIKAI ISLAND, CENTRAL RYUKYUS, JAPAN	140
Miyuki INAGAKI, Akio OMURA and Michio KATO	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
TO THE RADULA MORPHOLOGY AND REPRODUCTIVE ANATOMY OF THE GENUS <i>BIWAMELANIA</i> (MOLLUSCA: CERITHIOIDEA: PLEUROCERIDAE: SEMISULCOSPIRINAE)	142
Larisa A. PROZOROVA and Anna V. RASSCHEPKINA	
<i>Institute of Biology and Soil Science, Far East Branch Russian Academy of Sciences, Russia</i>	

POSSIBLE WAYS OF RECYCLING QUINOLONE ANTIBIOTICS	144
A.V. POLISHCHUK, E.T. KARASEVA and V.E. KARASEV	
<i>Institute of Chemistry, Far-Eastern Branch of the Russian Academy of Sciences, Russia</i>	
ANTHROPOGENIC AND NATURAL SOURCES OF METHANE IN THE JAPAN-SEA AREA AND PRIMORIYE POLLUTING THE ATMOSPHERE	145
O.S. YANOVSKAYA, V.V. DRUZHININ and E.V. KOROVITSKAYA	
<i>V.I. Il'ichev Pacific Oceanological Institute of the Far Easten Branch of Russian Academy of Sciences, Russia</i>	
STUDY ON FORMATION PROCESSES OF NITRATED POLYCYCLIC AROMATIC HYDROCARBONS IN THE ATMOSPHERE	147
Kohei ASANO, Takayuki KAMEDA, Hiroyasu SADANAGA, Norimichi TAKENAKA and Hiroshi BANDOW	
<i>Graduate school of engineering, Osaka Prefecture University, Japan</i>	
DISTRIBUTION AND MAJOR CONTRIBUTORS OF POLYCYCLIC AROMATIC COMPOUNDS IN PARTICULATES IN PAN-JAPAN SEA AREA	149
Ning TANG, Kenji TAMURA, Tetsuyuki HATTORI, Xiao-Yang YANG, Takayuki KAMEDA, Akira TORIBA and Kazuichi HAYAKAWA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
DETERMINING THE RATE CONSTANTS FOR THE GAS-PHASE REACTIONS OF LOW-VOLATILE COMPOUNDS WITH OH RADICAL USING A RELATIVE-RATE METHOD IN CCL₄ LIQUID PHASE-SYSTEM ·	151
Madoka MUROTA, Kohei ASANO, Takayuki KAMEDA, Norimichi TAKENAKA and Hiroshi BANBOW	
<i>College of engineering, Osaka Prefecture University, Japan</i>	
STUDY ON ORIGINS OF PARTICLE-ASSOCIATED NITROTRIPHENYLENES: ISOMER DISTRIBUTION IN DIRECT EMISSIONS AND IN SECONDARY FORMATIONS	153
Takayuki KAMEDA, Kazuichi HAYAKAWA, Koji INAZU, Yoshiharu HISAMATSU, Norimichi TAKENAKA and Hiroshi BANDOW	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
DISPERSION OF ATMOSPHERIC AEROSOL AT FEW THOUSANDS METER HEIGHT IN THE PRESENCE OF LAND AND SEA BREEZE-A NUMERICAL SIMULATION	155
Youhei TAKAHASHI, Yoich UTANOHARA,	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ENHANCEMENT OF AEROSOLS IN MONSOON ANTICYCLONE OVER THE TIBETAN PLATEAU: BALLOON-BORNE MEASUREMENTS AT LHASA, CHINA	
Yutaka TOBO, Yasunobu IWASAKA, Yoon-Suk KIM and Guangyu SHI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ENHANCEMENT OF AEROSOLS IN MONSOON ANTICYCLONE OVER THE TIBETAN PLATEAU : BALLOON-BORNE MEASUREMENTS AT LHASA, CHINA	157
Yutaka TOBO, Yasunobu IWASAKA, Yoon-Suk KIM and Guangyu SHI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
GROWTH OF DUST PARTICLES DUE TO SEA SALT IN THE MARINE BOUNDARY LAYER AND ITS POTENTIAL IMPLICATION	159
Daizhou Zhang, Yasunobu IWASAKA and Guangyu SHI	
<i>FESS, Prefectural University of Kumamoto, Japan</i>	

EVALUATION OF NEUTRON SELF-ABSORPTION IN GOLD AND APPLICATION TO MEASUREMENT OF NEUTRON FLUX	161
Yoshimasa MURATA, Kazuhisa KOMURA, Ahmed YOUSEF, Taeko KOGA and Hiroshige MORISHIMA	
<i>Low Level Radioactivity Laboratory, Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
HIGH RESOLUTION SIMULTANEOUS MEASUREMENTS OF AIRBORNE RADIONUCLIDES AT SUB-REGIONAL SAMPLING POINTS BY ULTRA LOW BACKGROUND GAMMA SPECTROMETRY	163
Takuya ABE, Yoshiko YAMAGUCHI and Kazuhisa KOMURA	
<i>Low Level Radioactivity Laboratory, Kanazawa University, Japan</i>	
URANIUM AND THORIUM ISOTOPES DISTRIBUTION IN A BOTTOM SEDIMENT CORE FROM THE ACADEMICIAN RIDGE, LAKE BAIKAL, SIBERIA	165
Aya SAKAGUCHI, Masayoshi YAMAMOTO, Jumpei TOMITA and Kenji KASHIWAYA	
<i>Low Level Radioactivity Laboratory, Kanazawa University, Japan</i>	
FIRST PRINCIPLE CALCULATIONS OF CLAY-BENZENE AND CLAY-NAPHTHALENE INTERACTION ENERGIES	167
Koichi SHIRAKI, Katsuyuki KAWAMURA and Kazue TAZAKI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ADSORPTION OF OXOANION ONTO LAYERED DOUBLE HYDROXIDES	169
Kazuya MORIMOTO, Mio MINATO and Tsutomu SATO	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
AN ALKALINE HOT SPRING IN THE PHILIPPINES	171
Chelo PASCUA, Tsutomu SATO, Atsushi ASAI, and Carlo ARCILLA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
ROLE OF BACTERIAL MEMBRANE COMPONENTS IN COVELLITE MINERALIZATION AND BIODEGRADATION IN OILY HOT SPRINGS	173
Rie WAKIMOTO and Kazue TAZAKI	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
OBSERVATION OF TURBULENT DIFFUSION WITHIN A FOREST CANOPY	175
Tatsuya MORIMOTO, Shigeo KIMURA and Takahiro KIWATA	
<i>Institute of Nature and Environmental Technology, Kanazawa University, Japan</i>	
COMPARATIVE STUDY OF MYCOPHAGOUS FLIES COMMUNITIES BETWEEN TWO DIFFERENT ALTITUDE ZONES IN ISHIKAWA, JAPAN	177
Daisuke AKAISHI and Koji NAKAMURA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	
THE EFFECTS OF ANTHROPOGENIC DISTURBANCES ON THE BUTTERFLY ASSEMBLAGE IN AN URBAN GREEN AREA: MONITORING THE DECREASE AND RECOVERY FROM 1990 TO 2005 IN KANAZAWA CASTLE PARK, JAPAN	179
Atsushi OHWAKI, Shin-Ichi TANABE and Koji NAKAMURA	
<i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>	