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- 1 315474 IMPROVING CONSERVATION OF RARE AND POOR KNOWN TAXA THROUGH SPATIAL MODELLING  
APPROACH: THE THREATENED <I>LEONTOPITHECUS CAISSARA</I> AS A CASE STUDY  
Maria Lucia Lorini, Vanessa Guerra Persson, Irene Ester Gonzalez Garay, Jorge Xavier da Silva
- 2 366400 BETA DIVERSITY SCALING: SAMPLING MEASURE MATTERS  
Yuxin Zhang, Keming Ma
- 3 307083 ISOTOPE SIGNATURES IN WINTER MOULTED FEATHERS PREDICT MALARIA PREVALENCE IN A  
BREEDING AVIAN HOST MIGRATING THROUGH SUB-SAHARAN AFRICA  
Elizabeth Yohannes, Max-Planck

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- 4 314923 ALDER AMAZON PROJECT: IMPLEMENTING CONSERVATION ACTIONS IN ARGENTINA  
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- 5 315385 ELEPHANT HOUSE - CHILDREN RE-ENVISION THE HUMAN-ELEPHANT-EARTH RELATIONSHIP -  
MESSAGE FROM SOUTHERN INDIA  
Barbara Gerard, avid Abraham
- 6 315364 A SUCCESSFUL STRATEGY FOR CONSERVATION EDUCATION IN RURAL AREAS: A CASE STUDY AT  
THE BIOSPHERE RESERVE OF CALAKMUL, MEXICO.  
Patricia Manzano-Fischer, Heliot Zarza
- 7 315110 CULTURAL FESTIVALS: ITS IMPLICATIONS TO BAT CONSERVATION ON NEGROS ISLAND, PHILIPP-  
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Ma. Renee P. Lorica, Vincent Noe Villarin Gunot, Tammy L. Mildenstein, Samuel Cord Stier
- 8 315634 VISUALIZING IMPACTS: USING ANIMATION TO ILLUSTRATE THREATS TO CONSERVATION PRIORIT-  
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Leo John Bottrill, Charles Huang, Nikolai Sindorf
- 9 320381 THREE WHITE CRANES, TWO FLYWAYS, ONE WORLD: LINKING CLASSROOMS IN THE UNITED STA-  
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Sara Moore, Joan Garland, Zhang Juan, Maria Vladimirtseva
- 10 315226 PROTECTION OF BIRDS IN THE DAURAI WETLAND AREA  
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- 11 306056 CALCULATING CARBON EMISSIONS IN A MICROSCALE

Henrique Bergallo Rocha, Thiago Ferreira Pinheiro Dias Pereira

- 12 315002 SCHOOL CHILDREN'S PERCEPTION OF FROGS IN WEST JAVA, INDONESIA

Mirza Dikari Kusriani, Neneng Sholihat

- 13 314890 CONSERVATION ACTIONS FOR FIVE THREATENED SPECIES AT WESTERN ANDES OF COLOMBIA

Karolina Fierro-Calderón, Eliana Fierro-Calderón, Carolina Montealegre

- 14 318168 INVOLVING LOCAL COMMUNITIES IN IMPERIAL EAGLE CONSERVATION IN GEORGIA

Zura Javakhishvili, Kimberly C Cofer, Giorgi Darchiashvili

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- 15 315429 RECONCILING MODERN CHALLENGES WITH PAST OPPORTUNITIES: CONSERVATION IN AFGHANISTAN'S WAKHAN CORRIDOR

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- 16 329228 USING SOCIAL MARKETING TO CHANGE THE WAY PEOPLE RELATE TO NATURE

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- 17 315221 PUZZLE OF INTEGRATING CONSERVATION AND DEVELOPMENT: A CASE STUDY OF LOCAL GOVERNMENT DOMINATED TOURISM OPERATIONAL RIGHT TRANSFER

Tao Wang, Wenjun Li

- 18 305502 RELATIONSHIP PATTERNS BETWEEN NATURE RESERVE AND LOCAL COMMUNITY IN WOLONG NATURE RESERVE, CHINA

Jing Liu, Hong Miao

- 19 315127 THE ROLE OF LOCAL COMMUNITY IN THE NATURE CONSERVATION AT THE EASTERN PART OF LAKE BAIKAL

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- 20 314970 SUPPORTING WETLAND MANAGEMENT AND IMPROVED LIVELIHOODS AT FEREDOON KENAR, I. R. IRAN THROUGH DEVELOPMENT OF TRAPPERS ASSOCIATIONS AND TRUST FUNDS

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- 21 320517 EFFECT OF LARVAL FOOD PLANTS AND SEASONS ON THE QUALITY OF THE AFRICAN WILD SILKMOTH, GONOMETA POSTICA WALKER (LEPIDOPTERA: LASIOCAMPIDAE) COCOONS

Ken Okwae Fening, Esther N Kioko, Suresh Kumah Raina, Jones M. Mueke

- 22 314910 INTEGRATING LOCAL COMMUNITIES INTO WILDLIFE CONSERVATION ON BOKO ISLAND, EQUATORIAL GUINEA, AFRICA

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- 23 364699 THE TALAKHAYA WATERSHED REVEGETATION PROJECT: CONNECTING COMMUNITIES WITH CONSERVATION

Kathleen Marie Herrmann

- 24 315564 BAND-I-AMIR NATIONAL PARK PROGRAM, A MODEL FOR AFGHANISTAN'S PROTECTED AREA SYSTEM

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- 25 315253 THE GOLDEN FROG OF SUPATÁ PROJECT: AN EXAMPLE OF A LOCAL AMPHIBIAN CONSERVATION INITIATIVE FROM COLOMBIA.

Giovanni Alberto Chaves Portilla, Erika Nathalia Salazar Gómez, José Drigelio Gil Acero, Jenny Paola Gallo Santos, Astrid Nossa Pardo, Sergio Omar Pulido Barrera, Fabian Tavera Beltrán, José Oswaldo Cortés Herrera, Nidia Rodríguez Gaitán, Daira Ximena Villagrán Chavarro

- 26 314980 COMMUNITY-BASED CONSERVATION OF CAMBODIAN CHELONIAN IN SOUTHWEST CAMBODIA  
Sokhorn Kheng, Sitha Som

- 27 315360 COMMUNITY-BASED MONITORING OF THE THREATENED AVIFAUNA OF MT. TALINIS AND TWIN LAKES AREA, ORIENTAL NEGROS, PHILIPPINES

Vincent Noe Villarin Gunot, Apolinario Bernardo Carino, Angelita Morales Cadelina, Rene Villalon Vendiola

**DISCIPLINES: Conservation funding and philanthropy**

- 28 367505 DOES BIODIVERSITY AID FOLLOW BIODIVERSITY?

Sarah Amy Wyatt, Thomas Matthew Brooks, Michael Hoffmann, J. Timmons Roberts, Conrad E Savy

**DISCIPLINES: Conservation genetics**

- 29 315616 NOVEL SPECIES- AND SEX-SPECIFIC PCR AMPLIFICATIONS FOR SPECIES AND SEX IDENTIFICATION FROM INVASIVE AND NON-INVASIVE SAMPLES OF KOREAN UNGULATES

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- 30 314972 PHYLOGENETIC RELATIONSHIPS OF THE CHE WONG ORANG ASLI IN PENINSULAR MALAYSIA BASED ON HVS 1 MITOCHONDRIA DNA AND Y CHROMOSOME ANALYSIS

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- 31 320339 THE ORIGIN AND GENETIC DIVERSITY OF DOMESTIC HORSE IN CHINA

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- 32 366201 A CONTRIBUTION TO UNDERSTANDING OF HERP-BIODIVERSITY AND CONSERVATION IN YUNNAN, CHINA FROM GENETICS: AN EXAMPLE FROM SPINY FROGS (DICROGLOSSIDAE)  
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- 33 366834 NON-INVASIVE GENETIC SAMPLING OF THE ASIAN ELEPHANT TO ASSESS POPULATION STATUSES AND CONSERVATION PRIORITIES IN A FRAGMENTED LANDSCAPE IN NEPAL  
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- 34 365229 BAMBOO GERMLASM RESOURCES CONSERVATION IN CHINA  
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- 35 314819 GENETIC DIVERSITY AND POPULATION STRUCTURE OF ROCK CARP (PROCYPRIS RABAUDI) BASED ON MICROSATELLITE ANALYSIS  
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- 36 305750 AN ANALYSIS OF GENETIC STOCK STRUCTURE OF PORTUNUS TRIBERCULATUS ALONG THE COAST OF CHINA  
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- 37 305416 DISTINCT EVOLUTIONARY LINEAGES IN THE SOUTH AMERICAN FUR SEAL, *ARCTOCEPHALUS AUSTRALIS*: INSIGHTS FOR ITS SYSTEMATICS AND CONSERVATION  
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- 38 315291 THE GENETIC RESCUE OF BLACK RHINOCEROS: REDRESSING TRANSLOCATION BIAS FOR LONG-TERM META-POPULATION MANAGEMENT.  
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- 39 315538 TIGERS REQUIRE EXTENDED PROTECTION: NON-INVASIVE GENETICS TO CONFIRM PRESENCE OF TIGERS AND SYMPATRIC CARNIVORES OUTSIDE TIGER RESERVES IN INDIA  
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- 40 315143 INBREEDING AND REPRODUCTIVE PERFORMANCE IN A LARGE CAPTIVE ASIAN HOUBARA POPULATION (*CHLAMYDOTIS UNDULATA MACQUEENII*)  
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- 41 315333 PHYLOGEOGRAPHY AND CRYPTIC SPECIATION IN THE FAMILY ALBULIDAE (BONEFISHES)  
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- 42 314857 POPULATION GENETIC STRUCTURE OF GREATER HORSESHOE BAT IN CHINA  
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- 43 314978 GENETIC DIVERSITY OF MITOCHONDRIAL DNA IN TAIHANGSHAN MACAQUES, JIYUAN, CHINA  
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- 44 365486 POPULATION DIVERSITY OF CHINESE SHAR-PEI INFERRED FROM MITOCHONDRIAL DNA SEQUENCES  
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- 45 315178 USE OF NONINVASIVE GENETIC SAMPLES TO ESTIMATE POPULATION SIZE OF SIBERIAN TIGER IN RUSSIAN FAR EAST  
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- 46 315508 PHYLOGEOGRAPHY OF THE BLACKISH DEER MOUSE (*PEROMYSCUS FURVUS*): INTRASPECIFIC VARIATION INFORMS CONSERVATION UNITS FOR NEOTROPICAL RODENTS IN MEXICO  
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- 47 317978 ANALYSIS OF GENETIC DIVERSITY AMONG ARMENIAN *PYRUS CAUCASICA* WILD POPULATIONS BASED ON ISSR DNA MARKERS  
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- DISCIPLINES: Conservation medicine**
- 48 309887 LOGGING CREATES UNANTICIPATED THREAT TO APE HEALTH AND CONSERVATION IN EQUATORIAL AFRICA  
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- DISCIPLINES: Conservation psychology**
- 49 366062 CHINESE WILDLIFE VALUE ORIENTATIONS: RURAL-URBAN DIFFERENCES  
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- DISCIPLINES: Ecology restoration**
- 50 315161 EXPERIMENTAL MANAGEMENT OF THE CRITICALLY ENDANGERED FLEURIEU PENINSULA SWAMPS, SOUTH AUSTRALIA: WITH PARTICULAR REFERENCE TO CLIMATE CHANGE IMPACTS  
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- 51 314722 FOREST PLANTATIONS VERSUS "IN SITU" NATURAL REGENERATION: A CASE OF PINES IN MEXICO  
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- 52 314982 DEMONSTRATION SITES FOR CORAL REEF RESTORATION AT KOH KOOD, THAILAND

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- 53 315174 SPECIES CONSERVATION AND COMMUNITY RECONSTRUCTION PROMOTED BY WISE USE: A CASE STUDY OF RE-BLOOM OF OTTELIA ACUMINATA IN DIANCHI LAKE

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- 54 315396 POTENTIAL OF RESTORATION AND PHYTOREMEDIATION WITH PHRAGMITES AUSTRALIS FOR CRUDE OIL-IMPACTED COASTAL WETLANDS

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- 55 364730 ECOSYSTEM HEALTH ASSESSMENT IN THE LOWER REACHES OF THE TARIM RIVER, XINJIANG, CHINA

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- 56 315204 HABITAT SELECTION AND FEATURE ANALYSIS OF WINTERING BLACK-NECKED CRANES GRUS NIGRICOLLIS IN DASHANBAO, YUNNAN, CHINA

KONG DEJUN, YANG Xiaojun, ZHONG Xingyao

**DISCIPLINES: Environmental anthropology**

- 57 305503 FUEL WOOD DEMAND-SUPPLY DYNAMICS AND SPECIES RESPONSE IN MM HILLS RESERVE FOREST, SOUTHERN INDIA

harisha ranganahalli puttahariyappa

**DISCIPLINES: Environmental history**

- 58 315562 EFFECTS OF MAYA CLASSICAL PERIOD (C. 200 TO 900) CITIES IN JAGUAR (PANTHERA ONCA) DISTRIBUTION IN SOUTHERN MEXICO, BELIZE AND GUATEMALA

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- 59 304721 ENVIRONMENTAL BENEFIT OF RIPARIAN BUFFER ZONE GROWING SWITCHGRASS FOR CELLULOSE ETHANOL PRODUCTION

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- 60 315098 A REVIEW OF ECOLOGICAL AND ENVIRONMENTAL EFFECTS OF TOURISM IN NATURE RESERVES

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61 305536 ECOLOGICAL CAPABILITY EVALUATION TO LAND DEDICATING FOR ENVIRONMENTAL CONSERVATION, A CASE STUDY

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62 315442 LESSONS FROM THE FPIC PROCESS: TWO COMMUNITIES, TWO CONTRASTING RESULTS  
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63 304610 COMMUNITY PERCEPTION OF BIODIVERSITY CONSERVATION AROUND PENDJARI NATIONAL PARK, BENIN

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64 305617 PROTECTED AREAS AND ITS ECOTOURISM ATTRACTIONS; A CASE STUDY OF KHAN\_GORMAZ PROTECTED AREA IN IRAN

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65 314677 LEVERAGING BUSINESS FOR BIODIVERSITY: SUPPLY CHAIN MANAGEMENT METHODS FOR POSITIVE BIODIVERSITY OUTCOMES

Elizabeth Ann Baer, Bambi Semroc, Conrad E Savy, Christine Dragisic, John Buchanan, Justin Ward

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66 364892 LOCAL STORY OF WILDLIVES AND SACRED FOREST IN WESTERN SICHUAN PROVINCE, CHINA  
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67 306342 LINKING HIMALAYAN AGRO-FORESTRY SYSTEM WITH TOURISM AND TRADITIONAL LIVELIHOOD: A CASE STUDY FROM SAGARMATHA (MT. EVEREST) NATIONAL PARK

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68 314878 ECOCULTURAL EDGES AND CONSERVATION OF BIOLOGICAL DIVERSITY: AN ETHNOECOLOGICAL STUDY IN EASTERN HIMALAYA, INDIA

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69 314506 SMALL CARNIVORANS FROM SOUTHERN BENIN: ASSESSMENT OF DIVERSITY AND HUNTING PRESSURE

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70 315647 ABUNDANCE AND USE OF HUNTING MAMMALS: THE TICUNA COMMUNITY CASE FROM SAN MARTIN IN THE AMACAYACU NATIONAL NATURAL PARK. COLOMBIAN - AMAZON.

Jenny Paola Gallo Santos

**DISCIPLINES: Landscape ecology**

- 71 304114 BIOTIC INTEGRITY OF CERRADO STREAMS FROM RIO CUIABÁ BASIN, MATO GROSSO, BRAZIL  
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- 72 315215 LANDSCAPE PATTERN CHANGES AT ZHALONG WETLAND IN HEILONGJIANG, CHINA  
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- 73 314990 A MODELING APPROACH OF MAPPING THE DISTRIBUTION OF GORSACHIUS MAGNIFICUS IN  
SOUTH CHINA: CRYPTICITY LEADS TO "ENDANGERMENT"?  
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**DISCIPLINES: Population dynamics**

- 74 366174 THE POPULATION STATUS AND RESOURCES UTILIZE SITUATION OF CHINESE PÈRE DAVID DEER  
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- 75 315269 ASSESS THE IMPACT OF LAND USE ON THE DYNAMIC OF KHAYA SENEGALENSIS, AFZELIA AFRIC-  
ANA, PTEROCARPUS ERINACEUS IN THE NORTH BENIN  
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- 76 320216 A PRELIMINARY ASSESSMENT OF THE BALE MONKEY IN THE HARENNA FOREST OF ETHIOPIA  
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- 77 315660 THE EFFECT OF 30 YEARS OF CONSERVATION ON ENDANGERED FRESHWATER MUSSELS IN THE  
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- 78 304520 CHANGE OF DISTRIBUTION AND SIZE OF ABIES GEORGEI FOREST IN NW-YUNNAN UNDER CLIM-  
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- 79 305351 CONSERVATIOIN MANAGEMENT OF ANTILOPES IN KANHA NATIONAL PARK, INDIA  
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**DISCIPLINES: Social Science**

- 80 364672 SCALING UP COMMUNITY-BASED NATURAL RESOURCE MANAGEMENT IN CHINA'S VILLAGES:  
COLLABORATIVE LEARNING CONFRONTS INSTITUTIONAL POLI TICS  
Sun Qiu
- 81 315658 SURFING THE WEB, DIVING WITH SHARKS: CONSEVATION IMPLICATIONS OF SEEKING INTERNE-  
T-BASED RISK INFORMATION ABOUT SHARK DIVING

Meredith L Gore, Maria Lapinski, Bret Muter, Lindsay Neuberger, Brandon Van Der Heide

- 82 381987 EVALUATION OF TRUNK THINNING FOR MULTIPLE-USE MANAGEMENT OF AN OAK FOREST IN  
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Didi Kaplan

- 83 315579 MARINE CONSERVATION INCENTIVE AGREEMENTS: LESSONS AND BEST-PRACTICES FROM A  
REVIEW OF CASE STUDIES

Heidi Gjertsen, Eduard Theodorus Niesten

**ECOSYSTEMS: Conservation at the land-water interface**

- 84 315375 ASSESSMENT OF ENVIRONMENTAL CHANGE AND PREDICTING WATER INFRASTRUCTURE IMPA-  
CTS IN WETLANDS OF THE TRANSBOUNDARY ARGUN-ERGUNA RIVER BASIN

Evgeny Simonov, Igor Glushkov

**ECOSYSTEMS: Desert Conservation**

- 85 320395 REVERSAL OF DESERTIFICATION IS ASSOCIATED WITH A LOSS OF ISLANDS OF FERTILITY AND  
CHANGES PHYSICAL AND CHEMICAL PROPERTIES IN THE SOIL

Ginger R.H. Allington, Thomas J. Valone

**ECOSYSTEMS: Disturbance ecology**

- 86 307086 COMPOSITION AND ABUNDANCE OF MACROBENTHOS OF MAJIDUN RIVER, LAGOS STATE.

imeh kokoette esenowo

- 87 368279 EVALUATION OF THE CONSERVATION STATE OF A NEW TAXÓN PRIMATE OF GENUS CALLICEBUS  
(PITHECIIDAE, PLATYRRHINI) OF THE CAQUETA DEPARTMENT, COLOMBIA.

Javier García Villalba, Thomas Richard Defler

**ECOSYSTEMS: Forest conservation**

- 88 306710 INDIGENOUS KNOWLEDGE AND POPULATION STATUS OF SCLEROCARYA BIRREA ( ANACARDIA-  
CEAE) IN KARIMAMA DISTRICT NEARBY W NATIONAL PARK (BENIN)

Gérard Nounagnon GOUWAKINNOU, KINDOMIHOU Valentin, Brice SINSIN

- 89 365287 LAND SNAIL ASSEMBLAGE OF OWABI WILDLIFE SANCTUARY, GHANA

Ishmael Nyarko, William Oduro, Mac Elikem Nutsuakor, Antonio de Winter

- 90 315157 CAPTURE-RECAPTURE POPULATION AND DENSITY ESTIMATION OF TIGERS IN A POPULATION  
WITH KNOWN PARAMETERS

Rishi Kumar Sharma, Yadavendrudev Jhala, Qamar Qureshi

91 315209 LAND USE AND CONSERVATION VALUE FOR BIRDS IN MOUNTAIN REGION OF YUNNAN, CHINA  
WU FEI, YANG XIAOJUN

92 315701 THE EFFECT OF FOREST FRAGMENTATION ON BIODIVERSITY AND SPECIES COMPOSITION OF  
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Elaine Rosamond Hooper, Douglas Daly, Pierre Legendre

**ECOSYSTEMS: Freshwater conservation**

93 305628 COMMUNITY COMPOSITION OF FRESHWATER FUNGI ON SUBMERGED WOOD FROM DIFFERE-  
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94 320527 WATER MONITORING PROGRAM AS A TOOL FOR WETLAND RESTORATION AT ZHALONG, CHINA

Guojun Zhang, Hao Feng

95 367798 STABLE ISOTOPE ANALYSIS AS A TOOL IN CONSERVATION BIOLOGY

Eugenia Zandona, Susan Kilham, Catherine Pringle, Michael Marshall, Rana El-Sabaawi, Piet Verburg,  
Steven Thomas, Alex S Flecker, Matt Whiles, Karen Lips, David Reznick

**ECOSYSTEMS: Grassland conservation**

96 315695 THE EFFECTS OF GRAZING MANAGEMENT ON MONITORING OF BIOLOGICAL DIVERSITY: A  
CASE STUDY IN SOUTH OF MASHHAD, IRAN

hamid reza akkafi

97 315448 SHARKS OF SOUTHERN CHINA - PAST & PRESENT

Vivian Yan Yan Lam

**ECOSYSTEMS: Marine conservation**

98 306616 IMPROVING THE LARGEST FISHERY ON EARTH - PERHAPS WE CAN

Patricia Majluf

99 365298 IMPACT OF PAIR-TRAWLING ON BIODIVERSITY LOSS - TAKORADI WATERS AS A CASESTUDY.

ABDUL-AZIM MAHAMUD BABA

100 315677 SEA TURTLE CONSERVATION DURING THE NEXT 100 YEARS: A SPATIAL ANALYSIS OF NESTING  
BEACH VULNERABILITY

Alfonso Lombana

**ECOSYSTEMS: Savanna conservation**

101 366278 FOOD HABITS OF JAGUAR AND PUMA IN A NATURAL CERRADO BIOME AND THE SURROUNDI-

NG AGRICULTURAL MATRIX

Julie Kay Betsch, Carly H Vynne, Leandro Silveira, Samuel K Wasser

**ECOSYSTEMS: Wetland conservation**

102 314605 BIRD AND ANURAN METRICS IN MITIGATED AND NATURAL WETLANDS

Ann M Anderson, Tristan Gingerich, James Thomas Anderson

103 304616 DIMINISHING FAUNAL DIVERSITY OF SAMBHARLAKE: AN IGNORED RAMSAR SITE OF ASIA

Brij K Sharma

**ISSUES: Alien and invasive species**

104 319148 EXOTIC PET ANIMALS INFLUENCING BIODIVERSITY IN ASIA

Koichi Goka

105 305741 JACKFRUIT IN ATLANTIC FOREST, BRAZIL: DENSITY AND NEGATIVE EFFECTS ON SMALL MAMMAL COMMUNITY, SEED DISPERSAL AND SOIL AGGREGATION

Helena Godoy Bergallo, Daniel Santana Lorenzo Raíces, Mariella Camardelli Uzêda, Carlos Frederico Duarte Rocha

106 315179 GENETICALLY MODIFIED TREES AS ALIENS -EFFECTS OF LITTER CHEMISTRY CHANGES ON AQUATIC INVERTEBRATE COMMUNITIES AND DECOMPOSITION

Petter Erik Axelsson

107 315710 ALIEN SPECIES IN AGRI- AND AQUACULTURE: WHAT CAN REALLY HAPPEN?

Volodymyr Maltsev

108 315299 EXORCISING THE SPECTRE OF NON-TARGET IMPACTS FROM VERTEBRATE PEST MANAGEMENT IN COMPLEX COMMUNITIES

Andrew John Bengsen, Luke Kui-Po Leung, Steven J Lapidge, Iain J Gordon

109 315177 HABITAT USE BY BREEDING BIRDS AT SALT MARSH OF CHONGMING DONGTAN (EAST CHINA): IMPLICATIONS FOR THE IMPACTS OF *Spartina* INVASION

Yinting Cai, Xiaojing Gan, Chi-yeung Choi, Zhijun Ma

**ISSUES: Climate change**

110 315500 GLOBAL YOUTH CLIMATE CONFERENCE IN NEPAL - EDUCATION AND MITIGATION CONCERNING GLACIAL LAKE OUTBURST FLOODS

B. K. Dalit, William Forbes

111 318224 SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF CLIMATE CHANGE IN KILOSA AND

MOROGORO; TANZANIA

Mercy Mwanikah Ojoyi

- 112 307067 TAXON DIVERSITY OF PTERIDOPHYTE FLORA OF UDAWATTEKELE TROPICAL RAINFOREST IN SRI LANKA: CONSERVATION IMPLICATIONS

Rajapaksha Haddockara Gedara Ranil

**ISSUES: Conservation in hotspots**

- 113 314995 LAST POPULATION OF EREMIAS ARGUTA TRANSCAUCASICA

Anna Vardanyan, Marine Arakelyan

- 114 306452 ESTABLISHING EQUATORIAL GUINEA'S FIRST BIOLOGICAL FIELD STATION

Gail Walker Hearn, Heidi E. Ruffler, Demetrio Bocuma Meñe

- 115 377371 ON THE POLLINATION BIOLOGY OF LEPTOCEREUS SCOPULOPHILUS (CACTACEAE)

Luis Roberto Gonzalez Torres

**METHODS: Adaptive management and monitoring**

- 116 367018 HYBRID ASSIMILATION IN SPARTINA: RE-EVALUATING CONSERVATION GOALS

Ingrid Britt Hogle, Peggy Olofson, Drew Kerr, Erik Grijalva, Laura Feinstein, Debra Ayres, Don Strong

- 117 319106 DEVELOPMENT OF EFFICIENT RAPID BUTTERFLY BIODIVERSITY ASSESSMENT PROGRAM FOR MONITORING FORESTS IN AFRICA

kwaku Aduse-Poku, William Oduro, Samuel Kwabena Oppong

**METHODS: Adaptive management and monitoring**

**METHODS: Conservation capacity building**

- 118 315317 BUILDING NATIONAL CAPACITY FOR PROTECTED AREA MANAGEMENT IN LAO PDR

Madhu Rao, Arlyne Johnson, Kelly Spence, Anhsany Sypasong, Nora Bynum, Eleanor Jane Sterling

- 119 315713 DEVELOPING APPROPRIATE TRAINING TOOLS FOR CAPACITY BUILDING TO ENHANCE BIODIVERSITY CONSERVATION AND SUSTAINABLE DEVELOPMENT IN MADAGASCAR

Ony Malalaniaina RABEARIVOLOLONA, Jonah Ratsimbazafy, Nora Bynum, Eleanor Jane Sterling

**METHODS: Conservation GIS**

- 120 366974 STRATEGIES FOR LANDSCAPE RECOVERY AND GIANT PANDA CONSERVATION IN THE 2008 SICHUAN EARTHQUAKE REGION, PR CHINA

Janet Silbernagel, Yang Le, weihua xu

**METHODS: Conservation modeling**

- 121 315540 CORRELATING PHYTOSOCIOLOGICAL ATTRIBUTES OF TEMPERATE FOREST OF KINNAUR REGION IN WESTERN HIMALAYA WITH SATELLITE MULTISPECTRAL DATA

Ashwani Kumar Thukral, Amit Chawla

**METHODS: Conservation on private lands**

- 122 315476 REESTABLISHING ARACAURIA FOREST LANDSCAPE CONNECTIVITY IN SMALL TOBACCO FARMS THROUGH CROSS-SECTORAL PARTNERSHIPS

Marilia Borgo, Sandro Coneglian, Philipp Stumpe, Carolina Ximenez de Macedo, Cynthia Pinheiro Machado, Monica F B Harris, Marcelo Gonçalves de Lima

**METHODS: Ecological restoration and reconstruction**

- 123 367882 PHASED, EXPERIMENTAL WETLAND AND GRASSLAND RESTORATION IN THE ANATOLIAN STEPPES OF EASTERN TURKEY: THE KARS-IGDIR BIODIVERSITY PROJECT

Sean Anderson, Cagan H Sekercioglu, Mehmet A Kirpik, Onder Cirik, Emrah Coban, Sedat Inak, Yakup Sasmaz

**METHODS: Ecosystem / conservation area management**

- 124 315512 THE DISHARMONY IN THE FORESTS OF INDIA - CHANGING CLIMATE AND CHANGING FOREST COMPOSITION IN THE WESTERN GHATS OF INDIA

Rahul Ramesh Rao Mungikar, Sameer Punde, Jayant Sarnaik

- 125 315370 LOSING LESS AND WINNING MORE: PROJECT STRATEGIES TO NEGOTIATE BETWEEN CONSERVATION AND DEVELOPMENT IN THE LOWER MEKONG

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Knowledge gaps on the taxonomy and geographical distribution of biodiversity, known as the Linnean and Wallacean shortfalls, lead to a conservation paradox: many of the most endangered species are also the least known taxa. The lack of information on geographic ranges hinders several conservation actions, specially in tropical areas where the Wallacean shortfall affects even well-studied groups. With the advances in Geo- and Eco-Informatics this problem can now be tackled through spatial modelling. Here we illustrate this approach with an emblematic case: the Black-Faced Lion Tamarin (<i>Leontopithecus caissara</i> Lorini & Persson,

1990), one of the world's 25 most endangered primates, recently discovered in the Brazilian Atlantic Forest hotspot. We applied remote sensing, GIS and machine-learning tools for modelling the species' distribution in a multiscale framework: species (global), metapopulation (regional) and population (landscape). The spatial analysis optimized field surveys, range mapping and conservation status assessment. We found the species to be Critically Endangered (under CR D criterion), endemic to quaternary coastal forests, and having a diminute range structured in three populations. This framework was able to highlight suitable areas out of reserves network, and will be used to support Population Viability Analysis and management scenarios. Spatial modelling approaches are promising to conservation of rare and poorly known species in the Tropics.