



Oral presentations 3/16(Sat) 10:45-12:00 **E** English Sessions: All presentations are given in English

\* Only the first presenter is listed. Full author list is available at <[https://esj.ne.jp/meeting/abst/71/oral\\_index.html](https://esj.ne.jp/meeting/abst/71/oral_index.html)>

	<b>E</b> Room A	<b>E</b> Room B	<b>E</b> Room C	Room D	Room E	Room F	Room G	Room H
Time	Animal community	Biodiversity	Conservation	Plant ecophysiology	Landscape ecology	Introduced species	Ecosystem management	Evolution
10:45	A01-06 <b>Sika deer and wild boar alter their diurnal and seasonal activity pattern in residential area.</b> Nasratullah ELHAM (Hiroshima University)	B01-06 <b>When islands are organisms: bird's nest ferns (<i>Asplenium nidus</i>) as a novel system for studying microbial community assembly</b> Yu-pei TSENG (National Taiwan University)	C01-06 <b>Captive environments in Japan shapes the gut microbiota of giant pandas</b> Xueying WANG (Hokkaido University)	D01-06 <b>The absorption capacity of three tree species for trace metal elements in urban green spaces.</b> Yoshiaki NAGAI (Tokyo Metropolitan University)	E01-06 <b>Social Sensing for Cherry Blossom Phenology</b> Narumasa TSUTSUMIDA (Saitama Univ.) <b>Animal population</b>	F01-06 <b>Effects of the eradication of invasive common carp on aquatic insect communities in irrigational ponds</b> Reiya WATANABE (University of Hyogo)	G01-06 <b>A comparative study of population management approaches in infectious disease, fisheries and wildlife management, and integrated pest management</b> Hiroyuki MATSUDA (Yokohama National University)	H01-06 <b>Dynamics of a one-host-two symbiont system migrating two patches: maintaining diversity through non-synchronization.</b> Masakazu SHIMADA (AIST · ERATO)
11:00	A01-07 <b>Drastic changes in the density of three herbivore species on the Boso Peninsula</b> Akane KANDA (Nihon Univ.)	B01-07 <b>Boosting biodiversity monitoring using smartphone-driven, rapidly accumulating community-sourced data</b> Keisuke ATSUMI (Biome Inc)	C01-07 <b>Tracing temporal spread of non-native freshwater shrimp for invasion risk prediction by machine learning</b> Keisuke ONUKI (Kyoto Univ.)	D01-07 <b>Heavy-metal Tolerance in <i>Phragmites australis</i> at Mill tailings Pond and Chemical Functions of Endophytic Fungi Involved in Heavy-metal Accumulation</b> Miyu OKUMA (Univ. of Tsukuba)	E01-07 <b>Eco-Evolutionary Dynamics: Mathematical Analysis of 'Mimics Without Models'</b> Haruto TOMIZUKA (Tokyo Metropolitan University)	F01-07 <b>Assessing the large-scale distribution of the non-native Red-billed Blue Magpie and its impacts on native bird species in Shikoku</b> Hirohito MATSUDA (Kochi Univ.)	G01-07 <b>Mathematical ecology</b> <b>Rebound after stopping antiviral drugs</b> Rena HAYASHI (Kyushu Univ.)	H01-07 <b>Mutualism dissolution by pathogen invasion</b> Ryosuke IRITANI (RIKEN iTHEMS)
11:15	A01-08 <b>Ant assemblages in epiphytic habitats of subtropical wetland forests</b> Kohei NAKATSUJI (Tokyo Univ. Agri. Tech.)	B01-08 <b>Insect community assembly across vertical forest strata: using artificial tree holl as a model</b> Yuichi ISAKA (XTBG)	C01-08 <b>Improving large-scale evaluation model of ecosystem services in tropical production forests using satellite and drone aerial images</b> Kotaro KOMATSU (Kyoto Univ. Forest Ecology)	D01-08 <b>Clarification of Heavy-metal Tolerance Mechanisms in <i>Polygonum thunbergii</i> Growing Naturally in Mine Pond Considering Root Endophytic Bacteria</b> Mitsuki YACHI (Univ. of Tsukuba)	E01-08 <b>Detection of hybrids among cryptic species and elucidation of genetic differentiation among sites in <i>Seriatopora</i> by genome-wide SNP analysis</b> Yuichi NAKAJIMA (NIES)	F01-08 <b>Ecological risk of alien land nemertea in Ogasawra Islands</b> Toshio KISHIMOTO (Mus. Nat. Env. Hist., Shizuoka) <b>Behavior</b>	G01-08 <b>Interaction of community structure, behavior and host manipulation on the simulated transmission dynamics of <i>Echinococcus multilocularis</i></b> Kensuke MORI (CER, Kyoto Univ.)	H01-08 <b>Exploration of sex chromosome, and karyotype analysis in the Japanese dry-wood termite, <i>Neotermes sugioi</i></b> Takahiro MURAKAMI (Kyushu University)
11:30	A01-09 <b>Differences in functional traits of ant assemblages between vertical strata of a temperate forest</b> Kanata INOUE (Tokyo Univ. Agri. Tech.)	B01-09 <b>Low accuracy in group - level coefficient estimates in separate fittings of GLMMs</b> Masatoshi KATABUCHI (XTBG, CAS)	C01-09 <b>Estimation of Deadwood Production as a Firewood Resource in the Miombo Woodland of Lake Malawi National Park.</b> Tamano HAYASHI (Ryukoku University)	D01-09 <b>The effects of root endophytic fungi on the growth and heavy metal tolerance of <i>Miscanthus sinensis</i> in the transplant experiment at a mine site</b> Xingyan LU (Univ. of Tsukuba)	E01-09 <b>Dependence on the watershed in the genetic structure of spring-dependent animals: comparison of three species with different migratory abilities</b> Yuna HIRANO (NIES)	F01-09 <b>How does the activity time of Tokyo's suburban raccoon dogs differ from city centre raccoon dogs</b> Shogo FUJITA (TUAT. Univ)	G01-09 <b>The coexistence of two parasitoids resulting from the timing differentiation about oviposition and predation on the host</b> Ryuichiro ISSHIKI (Kyoto Univ.)	H01-09 <b>Divergent endocrine-genetic basis underlying convergent evolution of aggressive behavior in a reproductive territorial context</b> Haruka YAMAZAKI (Kyushu Univ.)
11:45	A01-10 <b>An equation-free Bayesian method for the inference of state-dependent ecological interactions with time series data</b> Taiju YUKIHIRA (Tohoku Univ.)		C01-10 <b>From space to water surface: the potential of remote sensing methods for coral reef monitoring</b> Nurrahman ANDRIANTO (AMBL, Kyushu University)	D01-10 <b>Clarification of Tolerance Mechanism in <i>Miscanthus sinensis</i> Growing at a Sedimentary Site Involving an Endophyte</b> Yuta MATSUSHIRO (Univ. of Tsukuba)	E01-10 <b>Using Bioacoustic Monitoring for Spatial Tracking of Silver Croaker (<i>Pennahia argentata</i>) during courtship</b> Keisuke OHTA (Tohoku Univ.)	F01-10 <b>A study of mammalian usage of urban vegetation and suburban forests.</b> Kouki YAMAMOTO (Kyoto Univ.)	G01-10 <b>Can host plant specificity explain high diversity of phytophagous insects?</b> Toshiyuki NAMBA (Osaka Metropolitan University)	H01-10 <b>Epigenetic responses to artificial light at night and urban adaptation in <i>Drosophila</i></b> Natsumi TAKENAKA (Grad. Sci. Eng., Chiba Univ.)



Oral presentations 3/16(Sat) 16:30-17:45 **E** English Sessions: All presentations are given in English

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	<b>E</b> Room A	<b>E</b> Room B	Room C (open-call session)	Room D	Room E	Room F	Room G	Room H
<b>Time</b>	Material cycling / Fungi and microbes / Ecosystem management	Animal-plant interaction	Ecology and human culture	Plant ecophysiology	Animal community	Behavior	Mathematical ecology	Conservation
16:30	A02-05 <b>Effects of surface land use and meteorological conditions on the bioaerosol phase at the air-land interface</b> Rohit BANGAY (Kanazawa University)	B02-05 <b>Discovery of a novel mutualism between <i>Macrostemon</i> and <i>Nipponorhynchus</i></b> Marika YAMAGUCHI (Tokyo Metropolitan Univ.)	C02-05 <b>Ecology and social communication: the relationship between literature, art, and education</b> Mitsuru TADA (Nat. Inst. Environ. Stud.) <b>E</b> Ecology and human culture	D02-05 <b>Possible effects of spectral radiation absorption characteristics of conifer leaves on the response to global warming</b> Atsushi KUME (Kyushu Univ.)	E02-05 <b>Demonstrating Regime Shifts with Critical Transition in Natural Ecosystems</b> RIKU FUKASAWA (Tohoku University)	F02-05 <b>Does predation risk cause differences in the shell-fighting behavior of the hermit crab <i>Pagurus minutus</i>?</b> Tsunenori KOGA (Wakayama Univ.)	G02-05 <b>Thermodynamic insights into microbial community development: stability vs. energy use</b> Mayumi SETO (Nara Women's University)	H02-05 <b>Habitat selection of female field crickets in noise-exposed environments.</b> Keisuke NAKAOKA (Env. Sci., Hokkaido Univ.)
16:45	A02-06 <b>Relationships of above-ground biomass with climate and species composition across Japanese natural forests: which types of forests stock more carbon?</b> Hirofumi KAJINO (Tohoku University)	B02-06 <b>The aggregation of herbivorous insects as a response to chemical landscapes formed through plant community structure</b> Haruna OHSAKI (Tokyo Metropolitan Univ., JSPS Research Fellow (PD))	C02-06 <b>Ecological anthropological study on the impact of water pollution on the mangrove forests and local communities in the coastal areas of Mumbai, India</b> Karin URUMA (Kyoto Univ.)	D02-06 <b>Effects of NO<sub>3</sub>:NH<sub>4</sub> balance on the photophysiology of natural algal communities</b> Takehiro KAZAMA (Kobe University)	E02-06 <b>Seasonal changes in interspecific interactions of carnivores in a heavy snowfall area: behavioral evaluation using artificial feeding sites</b> Hinako TAKASAKI (Yamagata University)	F02-06 <b>Quantification of the mimetic trait of butterflies by CNN imitating predator's color vision</b> Kai AMINO (The Univ. of Tokyo)	G02-06 <b>Litter transport governs sensitivity of equilibrium to decomposition activity</b> Atsushi YAMAUCHI (Kyoto Univ.)	H02-06 <b>Is the Giant Water Scavenger Beetle (<i>Hydrophilus acuminatus</i>) an indicator species for aquatic insect hotspots?</b> Motonari YAMANAKA (University of Tsukuba)
17:00	A02-07 <b>Are limestone soils oligotrophic or eutrophic?: from the perspective of nutrient-use efficiency and rhizosphere effects by tree species</b> Rimato SHIBA (Kyoto Univ. Forest Ecology)	B02-07 <b>Does remnant forest in urban landscape shape the evolution of white clover?</b> Tomoki ISHIGURO (Env. Science, Hokkaido Univ.)	C02-07 <b>Beyond bees: a cross-country investigation into public perceptions of insect-mediated crop-pollination services</b> Masari DATE (Tokyo Univ.)	D02-07 <b>Diversity of the light-sensing type for bud burst in <i>Acer</i> species</b> Misuzu OHNO (Iwate University)	E02-07 <b>Seasonal variations in communities of Aculeata bees and wasps in deciduous broadleaved forests of Kyushu, Japan.</b> Kazushige UEMORI (Kyushu Univ.)	F02-07 <b>Predator egg rolling behavior in a social spider mite - Exploring the purpose from the details of the behavior</b> Mayu TAHARA (Tsukuba Univ.)	G02-07 <b>Interpretation of coefficients in Generalized Linear Models with interaction terms</b> Eiiti KASUYA (Osaka Metropolitan University)	H02-07 <b>Population of an endangered Japanese unionid in an agricultural reservoir</b> Hiroki HATA (GSSE, Ehime Univ.)
17:15	A02-08 <b>Development of vegetation structural complexity in an enrichment oil palm plantation (Sumatra, Indonesia)</b> Tatsuro KIKUCHI (University of Goettingen)	B02-08 <b>Synergistic effects of predation and parasitism on competition between edible and inedible phytoplankton</b> Minoru KASADA (Tohoku Univ.)	C02-08 <b>How should primate bushmeat hunting be managed?: A case study in Southeastern Cameroonian rainforest region</b> Yuji AKAOKA (Kyoto University (ASAFAS))	D02-08 <b>Stump sprout dynamics for two years after cutting in 76-year-old deciduous broad-leaved forest with different logging methods in western Japan</b> Naoko H. MIKI (Okayama University)	E02-08 <b>Responses of soil macrofauna against Japanese oak wilt recently occurred</b> Yuto MURAKAMI (Fac. Agric., Kindai Univ.)	F02-08 <b>Lengthy struggle between Giant mealworm decrease loser's fitness</b> Matsuura TERUHISA (Okayama Univ.)	G02-08 <b>Ecology and philosophy of science: Discussion about ecological laws</b> Kenichiro SHIMATANI (Inst. Staistical Mathematics)	H02-08 <b>Integration of long-term habitat changes and biodiversity trends: an example from coastal waterbirds in Japan</b> Takehiko SHIMIZU (Hokkaido University)
17:30	A02-09 <b>Fifty-year Dynamics of Organic Matter Decomposition Following Soil-scarification Practices : Comparing Natural Regeneration and Monospecies Planting</b> Rie TAKEUCHI (Yokohama National University)	B02-09 <b>An annual parasite plant <i>Cuscuta campestris</i> mediates the coexistence of its host annual plants</b> Naoto SHINOHARA (Kyoto Univ.)	C02-09 <b>Policy diffusion in global biodiversity conservation: Learning, competition, coercion, and emulation amidst US-China great-power politics</b> Hubert CHEUNG (Sapienza University of Rome, The University of Tokyo, Northern Arizona University)		E02-09 <b>The formation mechanisms of sandy shore beetle communities ~Determinant factor of similarity between sandy shores in Goto islands~</b> Hiroto UENO (Kyushu Univ. ISGS)	F02-09 <b>Swimming behavior of the ground cricket <i>Dianemobius csikii</i> on the running water</b> Tatsuru KUGA (Hiroshima City Insectarium)		H02-09 <b>Ground-based illumination disrupts migrating birds' behavior</b> Sachiko OSADA (Hokkaido Univ)



Oral presentations 3/17(Sun) 10:30-11:45 **E** English Sessions: All presentations are given in English

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	<b>E</b> Room A	<b>E</b> Room B	Room C	Room D	Room E	Room F	Room G	Room H
Time	Plant ecophysiology	Evolution	Biodiversity	Plant population	Life history of animals	Animal-plant interaction	Material cycling	Conservation
10:30	A03-06 <b>Effects of Seasonal Change and Cultivation Methods on the Quantities of Flavonoids Contained in Peels of <i>Citrus unshiu</i></b> Sakurako HAMADA (International Christian Univ.)	B03-06 <b>Genomic landscape underlying transcriptome and epigenome adaptation in marine and freshwater sticklebacks</b> Liang LIU (the University of Tokyo)	C03-06 <b>Changes in plant diversity 10 years after the creation of artificial gap in sub-urban forests</b> Kazunori SHIMADA (Tama For. Sci. Garden, FFPRI)	D03-06 <b>Factors regulating the polymorphism in flower color of <i>Campanula punctata</i></b> Ruiqi ZHANG (Niigata Univ.)	E03-06 <b>Pearl organ feeding: mysterious habit found in a Lake Malawi cichlid <i>Docimodus evelynae</i></b> Yuichi TAKEUCHI (Hokkaido Univ.)	F03-06 <b>Can aggregated flowers be detected by pollinators from a distance?: exploring changes in flower detectability with inflorescence density</b> Souta ANAZAWA (Tsukuba Univ.)	G03-06 <b>Microtopography-related variability of soil Methane flux in a small mountainous watershed</b> Haruki WATANABE (Kyoto Univ.)	H03-06 <b>Potential of environmental RNA as a tool to assess toxic effects in fish</b> Kyoshiro HIKI (NIES)
10:45	A03-07 <b>Dynamic changes in photosynthesis, fluorescence, and spectral reflectance of three poplar species under varying light intensity</b> Jingqi ZHANG (Tohoku Univ.)	B03-07 <b>Genetic basis of interspecific variation in salinity tolerance of Sulawesi medaka fishes</b> Ilham Vemandra UTAMA (TBRC, Univ. Ryukyus, MZB, PRBE, BRIN)	C03-07 <b>Aridity dependant grazing effects of ground-dwelling arthropod through grazing-induced changes in plant communities</b> ISSEI NISHIMURA (Yokohama National University)	Plant community D03-07 <b>What is the pre-empted space hypothesis?</b> Toshihiro YAMADA (Hiroshima University)	E03-07 <b>Comparative transcriptome of female and male cypris larvae in the rizocephalan <i>Peltogasterella gracilis</i></b> Asami KAJIMOTO (Nara Women's University)	F03-07 <b>The initial community assembly of arthropods on multiple willow species is influenced by both plant volatiles and priority effects.</b> Kinuyo YONEYA (Kindai Univ.)	G03-07 <b>Soil Evaporation and Its Effects to Evapotranspiration in a Japanese cypress forest</b> Arisa KAMIYA (Kyoto Univ.)	H03-07 <b>Dynamics of feral cats on Amami-Oshima Island revealed from stable isotope analysis and individual movement</b> Asahi IZAWA (The University of Tokyo)
11:00	A03-08 <b>Seasonal variations in plant-perceived critical wavelength ratios: plant ecophysiological perspective</b> Amila Nuwan SIRIWARDANA (Kyushu University)	B03-08 <b>The effects of climate change on the life history evolution of a long-lived, mycorrhizal orchid</b> Eric Stephan HOLTON (University of Tokyo)	C03-08 <b>Fauna and geographic genetic structure of Salticidae on forest floors in Ryukyus</b> Mamoru ARAKI (Tokyo Metropolitan Univ.)	D03-08 <b>Gap dynamics of a beech forest using aerial image of forest crown, forest census data, and tree ring</b> Nanami SAKAZUME (Yamagata Univ.)	Animal reproduction E03-08 <b>Sexual Transformation of the <i>Elythusa sacciger</i> on <i>Synaphobranchus kaupii</i> off the Coast of Tohoku, Japan</b> Sayo MORIMOTO (Hokkaido Univ.)	F03-08 <b>Fungal community composition of bitter gourd flowers: comparison between male and female flowers</b> Shoko NAKAMURA (FFPRI)	G03-08 <b>Effects of mowing understory vegetation on soil in riparian forests in eastern Hokkaido</b> Akiharu SASAKI (Hokkaido University)	H03-08 <b>Clarifying vulnerable life history processes to toxicants by multifaceted population matrix analyses</b> Yoichi TSUZUKI (NIES)
11:15	A03-09 <b>What is the most suitable deep learning-based software for analyzing fine root dynamics?</b> Takuto YAMAGATA (Hyogo Univ.)	B03-09 <b>Andromonoecy as a convergent resolution to intra-locus sexual conflict in bisexual flowers</b> Kai-hsiu CHEN (University of Lausanne)	C03-09 <b>Infestation of multiple southern species of ticks on Japanese black bear and wild boar in Tohoku Japan</b> Hirotaka KOMINE (Yamagata University)	D03-09 <b>How do natural forests in Hokkaido change under the current warming trend? Simulations with a dynamic vegetation model</b> Hisashi SATO (JAMSTEC, The University of Tokyo)	E03-09 <b>Relationship between seasonal changes in mature body size and sperm competition in the Japanese bobtail squid</b> Tatsuya TODA (The University Tokyo)		G03-09 <b>Trophic structure of arthropod food webs in vertical stratification of conifer plantations : A stable isotope analysis</b> Atsushi SAITO (Tokyo Univ. Agri. Tech.)	H03-09 <b>Ocean Microplastics from a Perspective of Shoes</b> Sayaka MANABE (International Christian Univ.)
11:30		B03-10 <b>Maximizing food acquisition in socially parasitic rove beetles through aggregating around termite queens</b> Tomohiro NAKAZONO (Kyoto Univ.)	C03-10 <b>Effect of developmental environments on wing interference patterns in <i>Drosophila melanogaster</i></b> Kazuo TAKAHASHI (Kanagawa University)		E03-10 <b>How group-ovipositing locusts avoid oocide</b> Koutaro MAENO (JIRCAS)		G03-10 <b>Feasibly of "Stragety of Sustainable Food System" ~Assessment from fertilizer resources</b> Shinichiro MISHIMA (NARO NIAES)	H03-10 <b>A new conceptual model toward simultaneous solution of the multiple global environmental issues at multiple scales</b> Reiichiro ISHII (RIHN)