

# Oral presentations 3/17(Fri) 9:15-10:45 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/70/oral\\_index.html](https://esj.ne.jp/meeting/abst/70/oral_index.html)>.

	<span style="background-color: #e0e0e0;">E</span> Room A	<span style="background-color: #e0e0e0;">E</span> Room B	Room C	Room D	Room E	Room F	Room G	Room H
Time	Biodiversity	Behavior	Mathematical ecology	Life history of animals	Animal-plant interaction	Plant ecophysiology	Evolution	Plant community
9:15	A01-01 <b>Seasonal re-assembly of post-flood aquatic communities driven by landscape and local environments</b> Hiromi UNO (Colorado State University, Hokkaido University)	B01-01 <b>Possible drivers for the evolution of wing-eating behavior in <i>Salganea taiwanensis</i> inferred from genetic relatedness</b> Haruka OSAKI (Kyoto Univ.)	C01-01 <b>Effects of group size and relatedness on evolution of labor division</b> Atsushi YAMAUCHI (Kyoto Univ.)	D01-01 <b>Function of juvenile hormone on the resting egg production in obligate parthenogenetic <i>Daphnia pulex</i></b> Natsumi MARUOKA (Utsunomiya Univ.)	E01-01 <b>An overlooked interaction between seaweeds and ciliates</b> Yusuke HORINOUCI (Hokkaido Univ. FSC MMS, Chiba Univ. MBRC)	F01-01 <b>Estimation of leaf area index using near-infrared radiation</b> Atsushi KUME (Kyushu University)	G01-01 <b>Evolutionary dynamics of a non-self recognition-based self-incompatibility system in wild populations</b> Takashi TSUCHIMATSU (Univ. Tokyo)	H01-01 <b>Characteristics of pioneer herbaceous communities on river-beds based on the traits of diaspore</b> Kairi EDASAWA (Tokyo Univ. of Agri. & Tech.)
9:30	A01-02 <b>Comparison of tree species composition between two heath forest in southern part of Sarawak</b> Nur safinas Binti JELANI (Nagoya University, Forest Department Sarawak)	B01-02 <b>Antipathogenic defense by feces containing antibiotic-producing bacteria in a dampwood termite</b> Masaaki NAKASHIMA (Kyoto Univ.)	C01-02 <b>Speed of advance of co-invading two interacting species or agents</b> Akira SASAKI (The Grad Univ. Advanced Studies)	D01-02 <b>Influence of artificial light at night on the spatial distribution of <i>Trichonephila clavata</i> in urban green spaces</b> Shun FUSE (Tokyo Univ. Agri. Tech.)	E01-02 <b>Seasonal Dynamics of Bee Fauna in the Coastal Plant Community</b> Shuqi XIAO (Hokkaido University)	F01-02 <b>Development of a pipeline for pre-processing of bioimage analysis: mask image generation in 3D reconstruction</b> Daiki SOMENO (Kyushu University)	G01-02 <b>Why oxalis leaves become red in cities around the world?</b> Yuya FUKANO (Chiba Univ.)	H01-02 <b>Forestry road has maintained grassland plants in a secondary forest.</b> Atushi USHIMARU (Kobe University)
9:45	A01-03 <b>Stoichiometry of leaf litter leachate affects autotrophic and heterotrophic microbial composition in freshwater food web</b> Pei-chi HO (Tohoku University)	B01-03 <b>Nest complexity reflects individual worker behavior of termites</b> Kensei KIKUCHI (OIST)	C01-03 <b>Theoretical analyses for the evolution of BVOC emission strategies</b> Sotaro HIROSE (Kyushu Univ.)	D01-03 <b>Transcriptome analysis of polymorphic queens in <i>Myrmecina nipponica</i></b> Satoshi MIYAZAKI (Tamagawa University)	E01-03 <b>Clarification of the leaf traits as its nesting materials in <i>Megachile pseudomonticola</i></b> Kazane YOSHIDA (Fac. Agr., Kindai Univ.)	F01-03 <b>A 2D-3D collaborative approach for leaf outline reconstruction</b> Hidekazu MURATA (Kyushu Univ.)	G01-03 <b>Branching architecture contribution to the within-individual genetic diversity of Long-lived trees</b> Sou TOMIMOTO (Kyushu Univ.)	H01-03 <b>Liana occurrence with the development of stratification along secondary succession series</b> Runa NAGASUE (Tokyo Univ. of Agri. & Tech.)
10:00	A01-04 <b>Exploring the biotic drivers of ecological stability through a global collaborative network</b> Samuel Robert Peter-James ROSS (OIST)	B01-04 <b>Predicting infection using social and spatial network: testing the mechanism linking parasitism and sociability</b> Zhihong XU (Kyoto Univ. WRC)	C01-04 <b>Evolution of macroalgal life cycle in lattice model</b> Kazuhiro BESSHO (Saitama Medical University)	D01-04 <b>Effects of the development of 1st instar larvae on the body size of the following developmental stages in <i>Oryctes rhinoceros</i></b> Kochi ISHITO (Kyushu Univ.)	E01-04 <b>Additional floral resources promote managed honey bee visitation to winter flowering fruit crop, Japanese apricot, in cold weather condition.</b> Taro MAEDA (NARO)	F01-04 <b>Fine root traits and species composition in forest understory plants: small-scale variation along a topographic gradient</b> Yume SAKUMA (Yamagata Univ.)	G01-04 <b>Analyses of stem cell genome diversity in long-lived plants</b> Ryosuke IMAI (Kyushu University)	H01-04 <b>Effects of foraging behavior of parasitic plant on species coexistence in grassland community</b> Riku NOMIYA (Hirosaki Univ.)
10:15	A01-05 <b>Stochastic dynamical viewpoints of biodiversity: MacArthur meets Whittaker</b> Ryosuke IRITANI (RIKEN iTHEMS)	B01-05 <b>Studies on the Sucking Behavior of praobdellidae parasitize a freshwater crab: Patterns in sucking behavior of the leech and fate of the host.</b> Takato KUDARA (Kindai Univ.)	C01-05 <b>Coomon character in flows of inter-stage, reproductive value and sensitivity in matrix population model</b> Takenori TAKADA (Hokkaido Univ.)	D01-05 <b>Feeding habits of goby genus <i>Gymnogobius</i> in the insular rivers</b> Kentaro SHIMADA (SMBS, SICES, Niigata Univ., GSST, Niigata Univ.)	E01-05 <b>Population dynamics of hemipteran pollinators breeding on <i>Macaranga tanarius</i> (Euphorbiaceae)</b> Ittetsu KAMATA (CER, Kyoto Univ.)	F01-05 <b>Seasonal priming: The effect of proceeding environments on the responses in gene expression against stresses</b> Hiroshi KUDOH (Kyoto University)	G01-05 <b>Which is the ancestral trait in Fagaceae, 1-year fruiting or 2-year fruiting?</b> Chihiro MYOTOISHI (Kyushu University)	H01-05 <b>The vegetation of mountain top limestone grasslands under deer over-browsing: with note on the establishment of <i>Cirsium vulgare</i></b> Masashi YOKOGAWA (Osaka Mus. of Nat. Hist.)
10:30				D01-06 <b>Winter habitat use of sika deer <i>Cervus nippon</i> in Northern Japan Alps</b> Misako KUROE (Nagano Env. Con. Res. Inst.)		F01-06 <b>Effects of spring snowpack on annual variation in the timing of budburst of <i>Fagus crenata</i> canopy trees</b> Kiyoshi ISHIDA (Hirosaki Univ.)		H01-06 <b>Decline of forest understory vegetation in the San-in region and deer diet based on fecal analysis</b> Dai NAGAMATSU (Tottori Univ.)

# Oral presentations 3/17(Fri) 10:45-12:00 E English Sessions: All presentations are given in English

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Time	Ecosystem Management	Behavior	Mathematical ecology	Animal reproduction	Animal-plant interaction	Plant ecophysiology	Evolution	Plant community
10:45	A01-06 Evaluation of slope stability at the center of gap among canopy and understory tree species in a secondary forest in Mt. Rokko Mai IMAWAKA (University of Hyogo)	B01-06 Stay longer in natal habitat or migration corridor: Size-dependent behaviors of masu salmon migrants before oceanic migration. Ryo FUTAMURA (Hokkaido Univ.)	C01-06 Host-parasite population model with local density dependent and multiple infections Takeshi MIKI (Ryukoku Univ.)		E01-06 Are there differences in shapes of selection on size and spines of <i>Weigela hortensis</i> pollen between pollinator groups? Takuya HASEGAWA (Life Sci., Tohoku Univ.)	F01-07 Diversity in light sensing organ for day-length recognition in deciduous tree species Misuzu OHNO (Iwate Univ.)	G01-06 Evolution of endosperm driven by genomic conflict Yu UCHIUMI (Nihon University)	H01-07 Environmental stress dependence of disturbance-diversity-ecosystem function relationships: a mathematical model Gaku TAKIMOTO (U of Tokyo, Agr & Life Sci)
11:00	A01-07 "Variation of forest structure across latitudinal gradient using UAV LiDAR" Md Farhadur RAHMAN (Kyoto Univ.)	B01-07 Winter movement and behaviors of rehabilitated juvenile spotted seals ( <i>Phoca largha</i> ) tracking from the southern Sea of Okhotsk, Hokkaido Heping LI (Kyoto Univ.)	C01-07 Topology-dependent thermodynamic efficiency of microbial redox networks Mayumi SETO (Nara Women's Univ.)	D01-07 Effects of acorns masting on conception and birth timing of wild boars Akitaka OMORI (Gifu Univ.)	E01-07 Hitchhiking by color and differentiating by scent? — Effects of similarity of floral traits with other species on attraction and partition of bees Saori Isabella MIYAZAKI (Tsukuba Univ. Graduate School)	F01-08 Integration of theoretical and empirical approaches on starch metabolism to unravel the adaptive mechanism for seasonal environment in plants Shuichi KUDO (Kyushu Univ.)	G01-07 The phoenix hypothesis of speciation Ryo YAMAGUCHI (Hokkaido Univ.,UBC)	H01-08 Responses of cool temperate and temperate forests to climate change and their regional patterns in Japan Hironori TOYAMA (NIES)
11:15	A01-08 Effects of alley-cropping and monoculture farming systems in oil palm plantations on butterflies diversity Mohamad ashraf Bin ABDUL MUTALIB (Hiroshima University)	B01-08 Conditional syndrome: boldness towards humans does not necessarily correlate with vigilance in marmots Kenta UCHIDA (UCLA,The University of Tokyo)	C01-08 Waves of infection depend on the combined dynamics of epidemics and population activity Rena HAYASHI (Kyushu Univ.)	D01-08 Breeding ecology in forest passerines using moss as nest material: natural enemies, nest defense behavior, and composition of nest material. Yudai TANOUE (Ehime Univ.)	E01-08 Evolution of altruistic behavior in floral display through kin recognition Haruto TOMIZUKA (Tokyo Metropolitan University)		G01-08 Reproductive interference can affect trait diversity of closely related species Keiichi MORITA (SOKENDAI,RIKEN)	H01-09 Associations between functional traits and sapling demography in warm temperate rain forests in Japan Yoshiko IIDA (FFPRI)
11:30	A01-09 Stream water chemistry in forested watersheds and its variability on environmental factors and regions Nay Lin MAUNG (Kyoto University)	B01-09 Examining the ecological drivers and fitness benefits of cooperative breeding of birds through a study on Collared scops owl Mari ESASHI (Hokkaido University)	C01-09 Mapping cell phenotypes in high-content screening using metric learning Kohei IWAMASA (Kyushu Univ.)	D01-09 Spatial capture-recapture methods for simultaneous estimation of population density and landscape connectivity: a simulation study Keita FUKASAWA (NIES)	E01-09 Effectiveness of <i>Nipponolimax monticola</i> as seed dispersers for raindrop-dispersed plants Shumpei KITAMURA (Ishikawa Pref. Univ.)		G01-09 Explore the ecological factor which occur the 'limacization' Kao AKIYAMA (MITA International School)	
11:45	A01-10 Flow, habitat structure and benthic invertebrate immigration in open channel Hiromi SAITO (Tokai Univ.)		C01-10 Optimal composition of chloride cells for osmoregulation in a randomly fluctuating environment Sachi YAMAGUCHI (Tokyo Woman's Christian Univ.)	D01-10 Comparing statistical models and machine learning methods to forecast crop pests and diseases Shigeki KISHI (NARO)	E01-10 Relative growth rate of herbivores and determination of host plants: examples in <i>Pteris</i> and <i>Papilio</i> Kotaro KONNO (Inst Agrobiological Sci, NARO)		G01-10 Transcriptome analysis for circadian-circatidal rhythms plasticity in a freshwater snail Takumi YOKOMIZO (Grad. Sci. Eng., Chiba Univ.)	

# Oral presentations 3/17(Fri) 15:00-16:30 E English Sessions: All presentations are given in English

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Time	Plant Ecophysiology	Conservation	Mathematical ecology	Animal population	Animal-plant interaction	Biodiversity	Evolution	Ecosystem management
15:00	A02-01 Variation in functional traits of dominant tree species along an altitudinal gradient in a seasonally dry tropical forest in northern Thailand Prapawadee NUTIPRAPUN (Osaka City University)	B02-01 Impact of harmful algal bloom in 2021 off southeastern Hokkaido on rocky intertidal community Yuan YAO (Hokkaido Univ.)	C02-01 Lattice logistic model revisited Kazunori SATO (Shizuoka Univ.)	D02-01 Estimation of population size of <i>Euscapes postfasciatus</i> in Tsuken Island using the N-mixture model and its application to the eradication project Yusuke IKEGAWA (Ryukyu Sankei Co. Ltd.,OPPPC,Univ. of the Ryukyus)	E02-01 CRISPR/Cas9 genome editing revealed mechanisms of host plant adaptation in <i>Pieris</i> butterflies Yu OKAMURA (University of Tokyo,MPI for Chem. Eco.)	F02-01 High plant diversity is maintained in burning-managed grasslands on lava flows Airi ASADA (Kobe Univ.)	G02-01 Genetic architecture of phenotypic differentiation and genomic pattern of divergence between sympatric species of ricefish Ryo KAKIOKA (Univ. Ryukyus)	H02-01 Bamboo forest as an habitat for <i>Gastrodia pubilabiata</i> Asami YAMAGUCHI (Tokyo Metropolitan University)
15:15	A02-02 Latitudinal variation of molecular phenology reveals the regulatory mechanism of bud dormancy Atsuko M. KUWAKADO (Kyushu Univ.,JSPS)	B02-02 <input checked="" type="checkbox"/> Investigating the relationship between species distribution and microclimate in a rock-dwelling lagomorph, the northern pika Tomoki SAKIYAMA (Hokkaido Univ.)	C02-02 Data analysis by Generalized Linear Models and interaction terms: cases with many explanatory variables Eiiti KASUYA (Osaka Metropolitan University)	D02-02 Exploring the Genetic Basis for Structural Color Variation in <i>Phelotrupes auratus</i> Yusuke NAKATANI (Kyushu Univ.)	E02-02 On the mechanism that allows high diversity of herbivorous insects - Preliminary report - Toshiyuki NAMBA (Osaka Metropolitan University)	F02-02 Fifty-year changes in the flora of suburban forests from the perspective of the composition of the habitat classification Kazunori SHIMADA (Tama For. Sci. Garden, FFPRI)	G02-02 Population Genomic Structure and Detection of Selection signature in medaka Shingo FUJIMOTO (University of the ryukyus)	H02-02 Benefit/cost of experimental dwarf-bamboo moving to restore grassland plants on Mt. Nekodake: a 5-year monitoring Tanaka KENTA (MSC, Univ. Tsukuba)
15:30	A02-03 Interspecific variations in photoinhibition and recovery of photosystem II in woody species Shoko TSUJI (Kyoto Univ.)	B02-03 Quantifying extinction debts of Orchid species based on habitat loss and their spatial distribution in urban ecosystems Xi SUN (Yokohama National Univ.)	C02-03 EcoNet: A New Method for Causal Network Inference Kenta SUZUKI (RIKEN BRC)	D02-03 Regional difference in environmental factors regulating population dynamics of <i>H. glaucippe</i> - Which is important: temperature or typhoons? - Wataru NAKAMIZO (Kyushu Univ.)	E02-03 Interspecific comparisons of host-plant specificity and distribution in a mite lineage diversified on mosses Satsuki IKEDA (Ehime Univ.)	F02-03 Flora of aquatic macrophytes in Tsugaru-Byoubusan Lakes Rikuto NARITA (Hirosaki Univ.)	G02-03 The integrated effect of social selection and group selection in the evolution of cooperation Yoshinari TANAKA (Sophia University)	H02-03 The Impact of sand fences to the beach biological community Haruko UENO (Hokkaido Univ.)
15:45	A02-04 Heavy metal tolerance mechanisms in <i>Abies sachalinensis</i> growing at an old mine site Toshikatsu HARUMA (Hokkaido Univ.)	B02-04 The effect of artificial light at night (ALAN) on understory plants: a 2-year experimental study in a rubber tree forest in China. Cong ZHOU (XTBG, CAS)	C02-04 Necessity of patrol after removal in the control of water primrose in Lake Biwa, Japan Katsuki NAKAI (Lake Biwa Museum)	D02-04 Estimation of Age from the opercle of <i>Rhinogobius</i> sp. OR in Lake Biwa inflow rivers. Masato OTA (RCSS)	E02-04 Plant-based network structure across above- and below-ground interactions Ikkei HASHIMOTO (Hokkaido Univ.)	F02-04 Repeated secondary contact and population structure of medaka fishes in an ancient lake Mizuki HOROIWA (Ryukyu Univ.)	G02-04 Interspecific comparison of esophageal morphologies among eusocial hymenopteran queens that found colonies in different modes Yuta KURIHARA (Tamagawa Univ.)	H02-04 Short-term ecosystem response to an artificial drought disturbance in Japanese experimental streams Hikaru NAKAGAWA (PWRI)
16:00			C02-05 Food habits of raccoon dogs ( <i>Nyctereutes procyonoides</i> ) in a satoyama area of Tokyo after invasion of raccoons Jun XU (TUAT)	D02-05 Estimation of hybridization levels of common carp by environmental DNA analysis targeting the ITS region of nuclear ribosomal DNA Keita Henry OKADA (Osaka Ohtani Univ.)		F02-05 Lost insect fauna and species emerged after the eruption in Nishimoshima Island Toshio KISHIMOTO (Mus. Nat. Env. Hist., Shizuoka)	G02-05 Convergent change in gene copy number associated with diet and habitat shifts in animals Jun KITANO (National Institute of Genetics)	H02-05 Are water-level operations effective for lake ecosystem management?: a theoretical approach Hiroyuki YOKOMIZO (Natl. Inst. Environ. Studies)
	Plant Populatoin / Plant Community	Material Cycling			Life history of plants			
16:15	A02-05 Overlooked diversity of spontaneous plants in urban streetscapes in Oulu and Yokohama Katriina Mirka HEIKKINEN (Yokohama National Univ.)	B02-05 Contrasting silicon dynamics between aboveground vegetation and soil along a secondary successional gradient in a cool-temperate deciduous forest Ryosuke NAKAMURA (Kyoto Univ.)	C02-06 Habitat use and behavior evaluation of the Nutria in the Fushino River Basin, Yamaguchi City Shinichi WATANABE (Little Leonardo Co.)	D02-06 Population comparison of <i>Nidirana okinavana</i> by age structural and genetic analyses Dai TOGANE (Dep. of Biology, Keio Univ.)	E02-05 Effect of different microhabitat at alpine on vegetative growth and reproduction of <i>Vaccinium vitis-Idaea</i> Kensuke SUGIMOTO (Grad.Sch.Nihon Univ.)	F02-06 Coral-microalgae coevolution: Models for the adaptive bleaching hypothesis Kazuo YAMADA (Sophia Univ.)	G02-06 Detecting frequency-dependent selection through the effects of genotype similarity on fitness components Yasuhiro SATO (Univ. of Zurich,Ryukoku Univ.)	H02-06 Use of nitrogen legacy as a resource: unfertilized lotus fields contribute to water quality improvement and biodiversity conservation Shin-ichiro MATSUZAKI (NIES)

# Oral presentations 3/17(Fri) 16:30-18:00 E English Sessions: All presentations are given in English

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Time	Plant Populatoin / Plant Community	Material Cycling	Introduced species	Animal population	Life history of plants	Biodiversity	Behavior	Ecosystem management
16:30	A02-06 <b>Host tree species and substrate use of vascular epiphytes in a Bornean lowland tropical forest</b> Natsuki KOMADA (Kyoto Univ.)	B02-06 <b>Variation in leaf phosphorus fractions along a soil phosphorus gradient in south-eastern Australia</b> Yuki TSUJII (Kyushu Univ.,Macquarie Univ.,Western Sydney Univ.)	C02-07 <b>Relationships among stored fat in nutria and their effects on reproduction in Yamaguchi</b> Yuta IIDA (Yamaguchi Univ.)		E02-06 <b>Trait differentiation between two ecotypes of <i>Impatiens noli-tangere</i> L. revealed by reciprocal transplant experiments</b> Hikaru KONDO (Shinshu Univ.)	F02-07 <b>Territorial damselfish enhance multispecies coexisting of corals.</b> Hiroki HATA (Grad Sch Sci Eng, Ehime Univ)	G02-07 <b>Why do crabs move sideways? — comparative escape response analysis among species with different preferred directions</b> Chihiro TAKAKURA (Nagasaki University)	H02-07 <b>Assessments of Ecosystem Services and Natural Capital in the Kii Mountain Range</b> Makoto YAMAMOTO (NIT (KOSEN), Suzuka College)
16:45	A02-07 <b>Latitudinal gradient in the growth rates - crown area relationships across multiple forest plots in Japan</b> Kyaw Kyaw HTOO (Kyoto Univeristy)	B02-07 <b>Spatiotemporal variation in integrated trophic positions (iTPs) of marine mesozooplankton communities</b> Naoto F. ISHIKAWA (JAMSTEC)	C02-08 <b>Population estimation of invasive alien species smallmouth bass in the Yoshino river Nara Prefecture Japan and efforts toward low density management</b> Takumi TONOGAWA (kindai graduate school)	D02-07 <b>Complete mitochondrial genome analysis of killer whales (<i>Orcinus orca</i>) in eastern Hokkaido, Japan.</b> Mami KAWAI (Hokkaido Univ.)	<b>Plant population</b> E02-07 <b>Upward range shifts of <i>Pinus pumila</i> over five decades in the northern Hakkoda mountains</b> Ryo KIZAWA (Yokohama Nat. Univ.)	F02-08 <b>Aggregation of dynamically coupled networks for phytoplankton communities</b> Goki KASAHARA (Tohoku Univ)	G02-08 <b>The Comparison of reproductive tactics in pre- and post- terminal moult male kelp crab, <i>Pugettia ferox</i></b> Aiko FUKASAWA (Hokkaido Univ.)	
17:00	A02-08 <b>Model of optimal shoot/root growth schedule in annual plant under limiting resource</b> Bo-moon KIM (CER, Kyoto Univ.)	B02-08 <b>Effects of above ground multilayered structure and soil animals on leaf litter decomposition in a tropical rainforest</b> Shusuke HANATANI (University of Hyogo)	C02-09 <b>Assessing the current status of non-native channel catfish in the Yahagi River based on all occurrence records since its invasion</b> Makoto A. YOSHIDA (NIES)	D02-08 <b>Genetic structure of Japanese macaques on Shodoshima Island based on mitochondrial DNA haplotypes</b> Shintaro ISHIZUKA (Toho Univ.,Kyoto Univ.,JSPS)	E02-08 <b>Factors affecting regeneration process after mass flowering in a dwarf bamboo (<i>Sasa tuyuhokensis</i>).</b> Nao TANIGUCHI (Tokyo Metropolitan Univ.)	F02-09 <b>Collection of multiple southern species of ticks in remote northern island, Japan</b> Hiroataka KOMINE (Yamagata University)	G02-09 <b>Are shell fights of the hermit crab <i>Pagurus filholi</i> affected by predation risk?</b> Tsunenori KOGA (Wakayama Univ.)	
17:15	A02-09 <b>How life history drives genetic diversity of fragmented perennial plant populations</b> Yoichi TSUZUKI (Hokkaido Univ. Env. Sci.)	B02-09 <b>Turnover rates of soil microbial communities along a degradation trajectory of logged-over Bornean tropical rain forests</b> Linzi JIANG (Kyoto Univ.)	C02-10 <b>Accidental release of pet birds as a potential source of non-native species in Japan</b> Sumiko NISHIDA (Tokyo City Univ.)	D02-09 <b>Agent-based modeling of livestock predicting sheep energy balance and grassland degradation</b> Yu YOSHIHARA (Mie university)	E02-09 <b>Phylogenetic signal on the topographic niche of 63 woody species in a hillside basin characterized with remarkable erosion fronts</b> Reia MIYAOKA (Yokohama Nat. Univ.)	F02-10 <b>The impact of coastal forest creation on arthropod habitats at the Sendai coast</b> Hinata OKOSHI (Hokkaido Univ.)	G02-10 <b>Three types of escape behaviors in the Japanese eel: kinematic comparison and their selective use</b> Yuuya YAMADA (Nagasaki Univ.)	
17:30	A02-10 <b>Partitioning the biodiversity-productivity relationships into density and size effects</b> Shinichi TATSUMI (FFPRI)	B02-10 <b>The role of non-structural carbohydrates and functional traits in fine roots in Alpine forest</b> Yuki HASHIMOTO (Shinshu University)	C02-11 <b>Establishment and advancement of invasive social insects control system at National Institute for Environmental Studies</b> Hironori SAKAMOTO (NIES)	D02-10 <b>Estimating abundance of subrock-nesting ants in black bear habitat.</b> Kazuteru MIKUNI (Meijo Univ.)	E02-10 <b>Altitudinal divergence of cold tolerance in <i>Arabidopsis halleri</i> and their genetic background: investigation of the traits and genome in F2 population</b> Naofumi YOSHIDA (Tohoku Univ.)	F02-11 <b>Effects of mowing time and method on species diversity of paddy levee vegetation</b> Yoshinobu KUSUMOTO (NARO)	G02-11 <b>Sleep ecology in brown trout: when, where and what individuals sleep?</b> Chiharu FURUSAWA (Hokkaido Univ.)	
17:45	A02-11 <b>Population structure and allometry of multi-stemmed dwarf birches:<i>Betula ovalifolia</i> in Japan and <i>Betula fusca</i> in Mongolia</b> Demidkhorloo BAYARSAIKHAN (Hokkaido Univ.)	B02-11 <b>Fine-root phosphatase activities in <i>Quercus serrata</i> and its determinants on a wide gradient of soil-phosphorus availability</b> Chika MIZUKAMI (Kyoto Univ. Forest Ecology)	C02-12 <b>Challenges and prospects for regional control in management of widespread invasive alien species</b> Tohru IKEDA (Hokkaido Univ.)	D02-11 <b>The effects of an experimental integration on social behavior and structure in captive groups of large-billed crows (<i>Corvus macrorhynchos</i>).</b> Yuki MIZUNO (KEIO Univ.)	E02-11 <b>Estimating the origin of goosegrass (<i>Eleusine indica</i>) in Nishinoshima Island using genetic approaches</b> Kotaro MAEDA (Tsukuba Univ.)	F02-12 <b>Simulating the long-term forest recovery following shallow landslides by using the forest landscape model</b> Wataru HOTTA (Hokkaido University)	G02-12 <b>Behavioral characteristics of Japanese Pond Turtle tracked by GPS transmitter in a river</b> Chie KAMOGAWA (Kokudokaihatsucenter Co., Ltd.)	

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Time	Animal Ecology / Plant-Animal Interaction	Evolution	Conservation	Animal community	Plant reproduction	Fungi and microbes	Behavior	Education and popularization of ecology
9:00	A03-01 <b>The role of epidermal cells on the calyx tube in the pollination of subgenus <i>Siphisia</i>.</b> Junnan LI (CER, Kyoto Univ.)	B03-01 <b>Single cell Multiome reveals genetic mechanism of reproductive seasonality in sticklebacks</b> Liang LIU (the University of Tokyo)	C03-01 <b>Direct and indirect effects of ocean acidification on the Chiton <i>Acanthopleura japonica</i>.</b> Ryo MATSUMOTO (TUMSAT)	D03-01 <b>Effects of host community on tick species composition in Chiba Prefecture, Japan</b> Kaori MORISHIMA (FFPRI)	E03-01 <b>Does prolonged flowering compensate for pollinator limitation of seed production?</b> Saki IMAMURA (Nara Women's Univ.)	F03-01 <b>Pathogenic bacteria hijack symbiotic system</b> Kota ISHIGAMI (Hokkaido Univ.,AIST)	G03-01 <b>Mate-guarding male desert locusts act as a parasol for ovipositing females on extremely hot desert</b> Koutaro MAENO (JIRCAS)	H03-01 <b>Multiple disadvantages for non-native English speakers in science</b> Tatsuya AMANO (University of Queensland)
9:15	A03-02 <b>Plants &amp; poop: global diversity in endozoochorous seed dispersal research</b> Harsh YADAV (Yokohama National University)	B03-02 <b>Transcriptome analysis of the low temperature response in fish using medaka as a model</b> Tomoya NAKAYAMA (Nagoya Univ.)	C03-02 <b>The formation of populations of the floodplain-dependent loach <i>Parabotia curtus</i>, as reconstructed based on whole-genome data</b> Keita IDO (Kyoto Univ. Sci.)	D03-02 <b>Seasonal variations mediate vertical stratification of tree hole communities</b> Akihiro NAKAMURA (XTBG, CAS)	E03-02 <b>Seasonal variations in environmental factors drive reproductive phenology of entomophilous plants</b> Takashi Y. IDA (Nara Women's University)	F03-02 <b>Effects of a grass endophyte on fungal communities in live and dead leaves of grass: comparison between symptomatic and asymptomatic plants</b> Yuki HATANO (Doshisha University)	G03-02 <b>"Unstandardized" old-leaf masquerade behavior by butterfly larvae</b> Chisato KOBAYASHI (Tohoku Univ.)	H03-02 <b>JSPS Fellowship success rates are higher for male than for female applicants</b> Daisuke KYOGOKU (Mus Nat Hum Act)
9:30	A03-03 <b>Mechanisms of spatial segregation under highly asymmetric competition in juvenile salmonids: a field experiment</b> Yohsuke UEMURA (Hokkaido Univ.)	B03-03 <b>Heteroplasmy originating from ancient hybridization in a Sulawesi medaka fish</b> Handung NURYADI (TBRC, Ryukyus Univ.)	C03-03 <b>Development of mammals monitoring with using intestines DNAs of coprophagous scarab beetle</b> Yoshida NAOKI (Toshima-ku)	D03-03 <b>Utilization of tree trunks by ant species in a temperate secondary forest</b> Kanata INOUE (Tokyo Univ. Agr. Tech.)	E03-03 <b>Mating system variation of <i>Vaccinium vitis-idaea</i> at the southern margin of its distribution</b> Akimi WAKUI (Botanic Gardens of Toyama)	F03-03 <b>Rhizoplane Microorganisms and Functions of Root Endophytes of <i>Aucuba japonica</i>, Naturally Growing at a Mine Site</b> Kohei DOYAMA (Univ. of Tsukuba)	G03-03 <b>How does flower-breeding <i>Drosophila elegans</i> recognize flowers?</b> Munehiro KATSURA (Nagoya Univ.)	H03-03 <b>The Creation Process and its Effectiveness of Scientific Illustration as a Tool for Scientific Visualization</b> Mengyun QIU (Nihon Univ.)
9:45	A03-04 <b>Phylogeography of Siberian stone loach revealed by environmental DNA</b> Tetsu YATSUYANAGI (Hokkaido Univ.)	B03-04 <b>Lineage divergence and fusion in a freshwater fish group within a single river system</b> Ilham Vemandra UTAMA (TBRC, Ryukyus Univ.,MZB, PRBE, BRIN)	C03-04 <b>Does a diurnal bush-cricket sing at night under an artificial light?</b> Keisuke NAKAOKA (Env Sci, Hokkaido Univ.)	D03-04 <b>Community of arthropods around hot springs</b> Mana OTERA (Yamagata University)	E03-04 <b>Weather-dependent floral movement: the mechanisms for downward-facing of flowers during rain</b> Akari SHIBATA (Kyoto Univ.)	F03-04 <b>Effects of oak wilt disease on fungal community composition and wood decomposition in dead <i>Quercus serrata</i> trunks</b> Satsuki KIMURA (Tohoku Univ.)	G03-04 <b>Predatory behavior of Asian ladybird beetle to aphids parasitized by <i>Aphidius</i> wasps</b> Kutta DOI (Fac. Agr., Kindai Univ)	H03-04 <b>Monitoring diversity of flower-visiting insects using trees: Aiming at citizen-collaborative expansion</b> Shoko NAKAMURA (FFPRI)
10:00	A03-05 <b>Classification of Community Indicators Based on Context-Dependence in Dynamics</b> Yuri OTOMO (Tohoku Univ.)	B03-05 <b>First demonstration of genomic imprinting in termites</b> Riho KAMIYAMA (Kyoto Univ.)	C03-05 <b>Community structures and indicator species of aquatic animals in paddy fields with different time of starting irrigation and cropping systems</b> Natsuru YASUNO (CESS)	D03-05 <b>Invasions of non-native mammals alter interspecific competitive relationships of native dung beetles</b> Ryo AKASHI (Hokkaido Univ. Life Sci)	E03-05 <b>Synchronous flowering of <i>Veratrum</i> populations: its pattern and determinant factors</b> Yohei ITO (Hokkaido Univ.)	F03-05 <b>Effects of ungulate carcasses on microbial multifunctionality of decomposition in forest's soil</b> Atsushi TAKAKI (Hokkaido Univ.)	G03-05 <b>Contactless intervention in collective behavior in ants with airborne ultrasound phased array</b> Shumpei HISAMOTO (Meiji Univ.)	H03-05 <b>Citizen science project "Explore Global-Cooling Microbes" aims to reduce soil greenhouse gas emission</b> Satoshi OHKUBO (Tohoku Univ.)
10:15			C03-06 <b>Effects of Barnacle Living Mulch on Flying Insect Diversity and Ecosystem Services.</b> Tomoaki MARUYAMA (Tokyo Univ.)			F03-06 <b>Comparison of colony characteristics of filamentous cyanobacteria parasitized by chytrid fungi</b> Sanshiro ISHIKAWA (Ryukoku Univ.)		

# Oral presentations 3/18(Sat) 10:30-12:00 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/70/oral\\_index.html](https://esj.ne.jp/meeting/abst/70/oral_index.html)>.

	<span style="background-color: #e0e0e0;">E</span> Room A	<span style="background-color: #e0e0e0;">E</span> Room B	Room C	Room D	Room E	Room F	Room G	Room H
Time	Animal Ecology / Plant-Animal Interaction	Evolution	Conservation	Animal community	Plant reproduction	Material cycling	Behavior	
10:30	A03-06 <b>Revisiting anti-predator behavior in predator-prey models</b> Shinji KOBAYASHI (Tokyo Univ.)	B03-06 <b>The genetic correlation between developmental noise and phenotypic plasticity in <i>Drosophila simulans</i></b> Keita SAITO (Grad. Sci. Eng., Chiba Univ.)	C03-07 <b>Trial of re-introduction of endangered aquatic insects</b> Haruki KARUBE (Kanagawa Prefectural Museum)	D03-06 <b>Rearing nests and natural nests prey of <i>Vespa shida</i> (yellowjacket) eaten as Hachino-ko</b> Tatsuya SAGA (Univ. of Tsukuba)	E03-06 <b>Mass flowering of Cultivated Moso Bamboo, <i>Phyllostachys edulis</i> (Poaceae) after More Than a Half-century of Vegetative Growth</b> Keito KOBAYASHI (FFPRI Kansai)	F03-07 <b>Changes in soil carbon caused by restoration of riparian forests in <i>Konsen, Hokkaido</i></b> Akiharu SASAKI (Hokkaido University)	G03-06 <b>Do the nest structure and nesting speed of ants change with the number of their queens?</b> Retsushi AOKI (Fac. Agr., Kindai Univ.)	
10:45	A03-07 <b>re:Mobydyc, a new platform for ecologists to build and run individual-based models</b> Gael DUR (Shizuoka University)	B03-07 <b>Disparate patterns of niche evolution in the diversification of the Neotropical cycad genus <i>Ceratozamia</i> (Zamiaceae)</b> Jose Said GUTIERREZ-ORTEGA (RIKEN ITHEMS)	C03-08 <b>Pollination potential of a wild-extinct aquatic plant <i>Eriocaulon heleocharioides</i> (Eriocaulaceae) in its reintroduction site</b> Ryuki YAMADA (Tsukuba Univ.)	D03-07 <b>Effects of difference in forest environment caused by Sika deer fence on bats in Oku-Nikko, Tochigi prefecture</b> Kosuke KOYAMA (University of Tsukuba)	E03-07 <b>Paternal and maternal contributions to the seed pools dependent on parent tree size and dispersal distance in an <i>Abies firma</i> population</b> Masakazu G. IWAIZUMI (FTBC Kyushu, FFPRI)	F03-08 <b>Litterfall and nutrient supply through flowering in coniferous forests.</b> Maki SAITO (Grad. Sch, Akita Pref. Univ.)	G03-07 <b>Effects of the cranial morphology of two species of moles on their earthworm-eating behavior - especially on the multicollinearity among some factors</b> Yasushi YOKOHATA (Fac. Sci., Toyama Univ.)	
11:00	A03-08 <b>Spared From Poaching and Natural Predation, Wild Boars Are Likely To Play The Role Of Dominant Forest Species In Peninsular Malaysia</b> Ku noor khalidah Binti KU HALIM (Ku Noor Khalidah,Siti Wahdaniyah,Norizah Kamarudin,Alex M.Lechner,Badrul Azhar)	B03-08 <b>The influence of geological dynamics on the tempos of colonization and speciation on a land-bridge island</b> Daisuke AOKI (FFPRI)	C03-09 <b>How to determine the number and size of protected areas: an economic analysis towards the implementation of 30by30</b> Zijin XIE (Keio University)	D03-08 <b>Seasonal timings in arrival of alpine birds and resource subsidies in the alpine zone.</b> Daichi IJIMA (Grad. Sci. Eng., Chiba Univ.)	E03-08 <b>Ecological studies on the presence of <i>Trillium channellii</i> reported as a new species of white-flowered <i>Trillium</i></b> Takashi HAYAKAWA (Hokkaido Univ. Env. Science)	F03-09 <b>Transfer of radiocesium through food webs to web-building spiders in the arthropod communities in Fukushima, Japan</b> Minato KAKUMA (Kyoto Univ.)	G03-08 <b>Group-size analysis of Mongolian gazelles using animal-borne cameras and machine learning throughout a year</b> Taro SHIMIZU (Kyoto Univ.)	
11:15	A03-09 <b>Application of quantitative environmental DNA metabarcoding for revealing seasonal fish assemblage dynamics in a regulated river system</b> Seiji MIYAZONO (Yamaguchi Univ.)	B03-09 <b>Hybridization between brown bears <i>Ursus arctos</i> and related species</b> Yu ENDO (Hokkaido Univ.,JSPS)	C03-10 <b>Possibility of maintaining semi-natural grassland by coexistence with stilt-mounted agri-voltaic</b> Miharu NAKATANI (Tokyo Metropolitan University)	D03-09 <b>Seasonal changes in use of tree-cavities by mammals and birds in mature forests in northern part of Okinawajima Island, Japan</b> Teppei HIGASHI (University of Ryukyu)	E03-09 <b>Seed flow experiments to examine how seed traits influence staying in drainage ditches</b> Koki KATSUHARA (Okayama Univ.)	F03-10 <b>Possibility of Strategy for Sustainable Food Systems, on the point of view of fertilizer resources</b> Shinichiro MISHIMA (NARO Ins. AgroEnv. Sci.)	G03-09 <b>Comparison of behaviors of deer in a fragmented beech forest and cypress woodlands in Mt. Takanosu, Hiroshima.</b> MIYABI NAKABAYASHI (Hiroshima University)	
11:30		B03-10 <b>Paternal genome elimination promotes altruism in viscous populations</b> Thomas HITCHCOCK (ITHEMS, RIKEN)	C03-11 <b>How can we promote social support of conservation measures in geographically distant countries? A lesson from migratory birds in East Asia</b> Yuuichi YAMAURA (FFPRI)	D03-10 <b>Changes in species interaction strength with flow velocity affect the stability of freshwater communities</b> Makoto NISHIMOTO (Univ. Tokyo)	E03-10 <b>Intra-individual genetic structure of a tree is determined by the behavior of stem cells in the shoot apical meristem.</b> Yoh IWASA (Kyushu University,Nagano University)		G03-10 <b>Clarification of the rooting site by wild boars in grassland</b> Yuki UMEDA (Fac. Agr., Kindai Univ.)	
11:45			C03-12 <b>Changing Views of Nature through Understanding Zoonosis</b> MAYUKO KAWATA (Yokohama National Univ.)	D03-11 <b>Development and examination of data-driven methods of estimating process using time series data</b> Gen IWASHITA (Tohoku Univ.)	E03-11 <b>Evolution of plant in urban environment</b> Tomohiro FUJITA (NIES)			