Oral presentations 3/14(Mon) 9:30-11:30 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/69/oral_index.html>.

	E Room A	E Room B	Room C	Room D	Room E	Room F	Room G	Room H	Room I
Time	Plant community	Animal-plant interaction	Fungi and microbes	Landscape ecology	Plant ecophysiology	Animal community	Animal-plant interaction	Behavior	Biodiversity
9:30	A01-01 Evaluating the dynamics of tree seedlings in the Kaisho warm temperate secondary forest by functional traits and microenvironmental factors Legeer CE (Nagoya Univ.)	B01-01 Contribution of seagulls on olive seed dispersal in Balearic Islands, Spain Haruko ANDO (NIES)	C01-01 Comparison of fungal community composition in different leaf ages of grasses Yuki HATANO (Doshisha University)	D01-01 Spatial pattern analysis for Oriental White Stork's utilization distribution Yumi YAMADA (Keio University,RIHN)	E01-01 Disentangling biotic interactions into the facilitative and competitive component in juvenile tree communities. Minagi NAKA (Yokohama National Univ.)	F01-01 Can stable isotope analysis reveal the host-parasite relationships in the Lake Biwa ecosystem? Kei KINOSHITA (Kyoto Univ. CER)	G01-01 VOCs mediated plant – plant communication in natural forests Tomika HAGIWARA (Kyoto Univ.)	H01-01 Effects of mass-rearing on reproductive traits in the sweet potato weevil Cylas formicarius. Chihiro HIMURO (Okinawa Pref. Plant Protec. C.,Univ. of Ryukyus)	I01-01 Current status and issues in utilizing the sample database of natural history museums in Japan TOSHIE MIZUNUMA (National Museum of Nat. & Sci.)
9:45	A01-02 Mycorrhizal types as a crucial driver of seedling survival: evidence from a cool temperate native forest Kohmei KADOWAKI (Kyoto Univ, Hakubi Center)	B01-02 Bimodal flower size distribution caused by disruptive selection through pollinator flower size preferences Tsubasa TOJI (Shinshu Univ)	C01-02 Metagenomic analysis of microbiota on *Neopyropia yezoensis* Yukino MIZUTANI (Saga Univ.)	D01-02 The Changes in the Grove of Itsukushima Shrine Jun-ichi OGURA (Kyoto Seika Univ.)	E01-02 Sugar and water use strategy for drought adaptation across tree species with different wood densities in the Ogasawara islands Kanji MINAGI (Kyoto Univ.)	F01-02 Seasonal and spatial variability of heliozoa in Lake Biwa Junya YOSHIDA (Kyoto Univ.)	G01-02 Seasonal changes of stinging hair traits of the Japanese nettle in Nara Park Teiko KATO (Nara University of Education)	H01-02 Evolution of acoustic communication in fungus-growing ant societies Takahiro MURAKAMI (IDS3, Kyushu University)	I01-02 Effects of climate change on stand structures of Fagus crenata and Quecus acuta forests Hironori TOYAMA (NIES)
10:00	A01-03 Effects of environment and conspecific density on seedling mortality of a Bornean tropical rainforest: are the effects phylogenetically conserved? Prapawadee NUTIPRAPUN (Osaka City University)	B01-03 Mechanisms of pollinator trapping and release mediated by changing surface microstructure: A study in genus *Aristolochia* Junnan LI (CER, Kyoto Univ.)	C01-03 The short-term dynamics of bacterial assemblage in the water column and the sediment during summer in the inner part of Ariake Bay, Japan. Ryo ORITA (Saga University)	D01-03 The impact of the tide embarkment to nutrient cycle on sandy beach ecosystem Hinata OKOSHI (Hokkaido Univ.) **Succession and regeneration**	E01-03 The xylem structure drives branch growth and apical/lateral relationships within a leaf cluster Daiki YOKOYAMA (yamagata Univ.)	F01-03 Pulsed supplies of small fish facilitate short-term intraguild predation in salmon stocked streams Koh HASEGAWA (Fisheries Resources Institute)	G01-03 Visual acuity tests of bumblebees: Effects on identifying flower color and density from the distance. Maika UEHARA (Tsukuba Univ.)	H01-03 Effect of head shape on turning ability in hammerhead sharks: relationship between turning speed and fluid drag force Yunosuke OHBAYASHI (Iwate Univ.)	I01-03 Seasonal variation of fish distribution in the upper stream of Tama River using eDNA Gaku ICHIMATA (Tokyo Univ. Agriculture)
10:15	A01-04 Elevational sorting on phylogenetic assembly of plant species across East Asian islands Shuyin HUANG (University of the Ryukyus)	B01-04 Upright male and pendente female: effects of pollinators and seed eater in inflorescence angle of *Dioscorea tokoro* Aoi KUDOH (Kyoto Univ.)	C01-04 Different hypoxia durations influence the sediment microbial composition and biogeochemical cycling in Ariake Sound Kazuhiro YOSHIDA (Saga Univ.)	D02-01 Relationship between vegetation and surface carbon/nitrogen content in coastal dunes Hinami TANAKA (Tottori University)	E01-04 Changes in leaf productivity and resistance to herbivores during soybean domestication Fuka TODA (Ibaraki Univ.)	F01-04 Effects of mass-recruitment of the amphidromous goby on macroinvertebrates in coastal streams Keigo KAWASAKI (Niigata Univ.)	G01-04 How does *Drosophila elegans* prefer the flowers to visit? Yuki ISHIKAWA (Nagoya Univ.)	H01-04 Unraveling the ecology, evolution and maintenance mechanisms of shrimp-goby symbiosis from the perspective of "cognitive evolutionary ecology" Satoshi AWATA (Osaka City University)	I01-04 Biodiversity research with an underwater drone on the continental slope between 100 and 300 m depth off Enoshima Island, Sagami Bay, Japan Ayuta YAMAKI (Enoshima Aquarium)
10:30	Break	Break	Break	Break	Break	Break	Break	Break	**Introduced species**
10:45	A01-05 Context dependence of population dynamics in rocky intertidal sessile assembly: using intrinsic growth grate as a proxy of environmental suitability Yuan YAO (Hokkaido Univ.)	B01-05 Effect of natural enemies on the host use of two sibling species of Tephritidae fruit fly Tomoki HISAOKA (Univ. Shiga Pref.)	C01-05 Community structure of aquatic fungi analyzed by comparing 50 dam lakes across Japan Manabu MOCHIZUKI (Yokohama National University)	D02-02 Long-term forest recovery following shallow landslides in cool temperate forest: Focusing on species composition and carbon stocks Wataru HOTTA (Hokkaido Univ.)	E01-05 Diurnal course of leaf photosynthesis of Menyanthes trifoliata Azumi OKAMOTO (Obihiro Univ. Agr. Vet. Med.)	F01-05 regime shift induced by fishing : Stage structure of fish populations and reversal of predator - prey relationship Shouhei KAWATA (Univ. Tokyo)	G01-05 Evaluation of Flower Visiting Insects as Pollinators from the Perspective of Species Composition of Pollen Load Kohei TERADA (University of Tsukuba)	H01-05 Response of conspecific population to alarm call of invasive red-billed leiothrix Hiroki MORIFUJI (kindai Univ.,Agr.)	I02-01 NGS analysis of intestines DNAs of coprophagous scarab beetle and development of mammals monitoring Yoshida NAOKI (Toshima-ku)
11:00	A01-06 Seasonal environmental DNA dynamics of native and non-native aquatic macrophytes in a regulated river system Seiji MIYAZONO (Yamaguchi Univ.)	B01-06 Does particle size reduction important for eating fruits: Examining the effects of food particle size on *in vitro* digestion. Tianmeng HE (Kyoto Univ.)	C01-06 Dynamics of Antibiotic-resistant bacteria in the river Yuki KOBAYASHI (Yamaguchi Univ.)	D02-03 Elevational distribution of two Abies species is separated by elevational changes in regeneration traits in relation to competition and disturbance Koichi TAKAHASHI (Shinshu University)	E01-06 Relationship between leaf-out phenology and the day of snowmelt for *Fagus crenata* canopy trees in a snowy mountain Kiyoshi ISHIDA (Hirosaki Univ.)	F01-06 Effects of High Sika Deer Density on Bat's Activities in Oku-Nikko, Tochigi Prefecture Kosuke KOYAMA (University of Tsukuba)	G01-06 Ecological impacts of forest understory fauna on moss spore reproduction: large-scale investigation for spore-feeders and assessment of endozoochory. Ryoei MIYOSHI (Ehime Univ.)	H01-06 Recognition of other species' language: Coal tits retrieve a visual search image of snakes from Japanese tits' alarm calls Toshitaka SUZUKI (Hakubi Project, Kyoto Univ.)	I02-02 Two types of domestic cats and predation of endangered spices in Amami-Oshima Island found by food habitat at different time scales Asahi IZAWA (The University of Tokyo)
11:15	A01-07 Silicious trichomes may slow down leaf decomposition by soil meso- and macrofauna Ryosuke NAKAMURA (Kyoto Univ.)	Virtual chat space	C01-07 Dynamics of rumen microbiome in Sika deer (*Cervus nippon yakushimae*) from Yakushima Island, Japan Natsuko HAMAMURA (Kyushu Univ.)	D02-04 Does wood decay-type affect the establishment of tree seedlings? Hiroyuki KITABATAKE (Tohoku Univ.)	E01-07 Species composition and fine root traits in forest understory plants: small-scale variation along a topographic gradient Yume SAKUMA (Yamagata Univ.)	F01-07 Abiotic and biotic drivers on functional trait compositions of forest soil Collembola community in Japan archipelago Takuo HISHI (Kyushu Univ.)	G01-07 Comparison of pollen dispersal distance between day and night in a spring-flowering understory shrub, *Daphne jezoensis* Akari SHIBATA (Kyoto Univ.)	H01-07 Combination of morphological and behavioral traits to reduce downstream displacement under ordinary flow condition in juvenile char Hiroyuki YAMADA (Hokkaido Univ.)	I02-03 The dispersal history of the invasive mongoose in Japan, based on population genetic analyses Takuma SATO (Okinawa Univ.)
11:30	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space

Oral presentations 3/14(Mon) 15:00-17:00 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/69/oral_index.html>.

	E Room A	E Room B	E Room C	Room D	Room E	Room F	Room G	Room H	Room I
Time	Behavior	Material cycling	Ecosystem management	Plant community	Plant ecophysiology	Animal community	Animal-plant interaction	Evolution	Introduced species
15:00	A02-01 Web manipulation of a cobweb-weaving theridiid house spider by *Zatypota albicoxa* (Hymenoptera, Ichneumonidae) Keizo TAKASUKA (Inst. Adv. Biosci., Keio Univ.)	B02-01 Stoichiometry of leaf litter leakage influences phytoplankton growth Pei-chi HO (Tohoku University)	C02-01 Relative importance of environmental and biotic factors shaping community assembly of arboreal ants in rubber plantations and rainforests Akihiro NAKAMURA (XTBG, CAS)	D03-01 Rapid functional shifts across high latitude forests over the last 65 years Masumi HISANO (Lakehead University,The University of Tokyo)	E01-08 The continuous analysis of heavy metal tolerance in *Polygonum thunbergii* Siebold et Zucc. which is grown in mine site Mitsuki YACHI (University of Tsukuba)	F01-08 Worldwide pest Pieris rapae vs. ordinary P. melete: Competitive exclusion by the difference of relative growth rates? Natural enemies? Hostplants? Kotaro KONNO (Inst Agrobiological Sci, NARO)	G01-08 Intensity of pre-dispersal seed predation affects the gender expresion in andromonoecious plants Gaku KUDO (Hokkaido University)	H02-01 Re-speciation in a tsunami created stickleback population Takuya K. HOSOKI (National Institute of Genetics,SOKENDAI)	I02-04 Long-term retainment of non-native genes: introgressive hybridization among masu salmon subspecies in the Tokoro River, Hokkaido Sho FUKUI (Fisheries Resources Inst.)
15:15	A02-02 Extremely long penis in some shrews: pattern, process, and possible mechanisms Itsuro KOIZUMI (Hokkaido Univ.)	B02-02 A new assessment of amino acid stable carbon isotope compositions in marine organisms: implications for food web studies Yuchen SUN (Univ. Tokyo,JAMSTEC)	C02-02 Importance of habitat complexity and area for benthic assemblages in a stream of northern Japan Hiromi SAITO (Tokai Univ.)	D03-02 Chnage of forest floor vegetation along the topographic gradient after decline of Sasamorpha borealis caused by Sika deer grazing Hirotaka HAYASHI (Tokyo Univ. of Agri. and Tech.)	E01-09 Heavy metal accumulations in *Phragmites australis* growing at the ore-sedimentary site; iron plaque formation possibly related to endophytic bacteria Yukihiro NAKAMOTO (Univ. of Tsukuba)	F01-09 Elucidating the mechanism of temporal succession in beetle assemblages in carrion Yoshiharu MATSUSHIMA (Nihon University)	G01-09 Does the state that sticks out get hammered in ? Effect of exsert stigma on heterospecific pollen receipt Marie YAMAGUCHI (Tsukuba Univ.)	H02-02 The effect of the aspect ratio of the rays' pectoral fin shape on the thrust and propulsive efficiency. Hiroaki SUMIKAWA (Iwate Univ.)	I02-05 Reproductive biology of smallmouth bass in the Kizu River Sho KUBO (Ryukoku Univ. ST)
15:30	A02-03 Sociability and Disease Transmission: Evolutionary Ecology and Parasite Transmission in Japanese Macaques Zhihong XU (Kyoto Univ. Pri. Res. Inst.)	B02-03 Exploring factors controlling the integrated trophic position (iTP) of food web networks Naoto F. ISHIKAWA (JAMSTEC)	C02-03 Factors Influencing Wetland Vegetation Along the Sunaji River in Minamikomatsu, Otsu City, Shiga Gavin WALTON (Kyoto University)	D03-03 Long-term effects of past soil modification on the species composition of semi-natural grasslands: Absence of typical plant species Masashi YOKOGAWA (Osaka Mus. of Nat. Hist.)	E01-10 Uranium adsorption and iron plaque formation on roots of *Phragmites australis* Toshikatsu HARUMA (Hokkaido Univ.)	F01-10 Loss of seasonality in Okinawan ant communities and individual species across a forest-disturbance gradient Jamie M KASS (Okinawa Inst. Sci. Tech. Univ.)	G01-10 Trade-off mitigation: floral adaptation to diverse visitors through evolution of trait combinations Kazuharu OHASHI (Univ. of Tsukuba)	H02-03 A functional morphological study of aperture inclination on gastropod shells based on both postural stability and drag force Amane ARAKI (Kyushu University)	I02-06 Habitat condition and effective capturing of small mouth bass *Micropterus dolomieu* in Yoshino-Kinokawa River Takumi TONOGAWA (Kindai Univ)
15:45	A02-04 Functional analysis of novel gene that shows photoperiodic responsiveness in medaka fish Tomoya NAKAYAMA (Nagoya University)	B02-04 Continuous observation of CO2, DIC, DOC, POC between the mangrove surrounding water in Fukido river and ocean during the summer season Wataru NAKAMURA (The University of Tokyo)	C02-04 Comparative analysis of classifications using remote sensing images based on shallow water coastal habitats Nurrahman ANDRIANTO (Kyushu University)	D03-04 Vegetation distribution and environmental factors of mowing-type semi-natural grassland in the Aso region Sumio SEI (Kumamoto Univ.)	Virtual chat space	F01-11 Effect of flower color, scent and shape on insect visits Shigeki KISHI (RCAIT, NARO)	G01-11 Better is a neighbor than same species far away: Effect of spatial distribution on flower constancy of bumblebees Kentaro TAKAGI (University of Tsukuba)	H02-04 Direction and history of the adaptive evolution in shell colour on island land snails Shun ITO (Tohoku Univ.)	I02-07 Invasion and establishment status of Palaemon sinensis in Saga Plain Seira OKAMOTO (Saga Univ.)
16:00	Break	Break	Break	Break	Virtual chat space	Life history of animals	Break	Break	Break
16:15	A02-05 A new benefit of flocking? Responses by tree sparrows to other species' alarm calls Ayaka SODA (Kyoto Univ.)	B02-05 Existing Amount of Plastic in the Soil bottom of the Nogawa River Taiga OIKAWA (International Christian Univ.)	C02-05 Stand structure, biomass, and net primary productivity of the *Rhizophora mucronata* plantation in Batan Bay Estuary, Philippines Yuya OGAWA (Kyoto Univ.)	D03-05 The latitudinal gradient in plant community assembly processes: a meta-analysis Keita NISHIZAWA (Yokohama Nat. Univ.)	Virtual chat space	F02-01 Description of the larva of Homoplectra gracilis Nozaki, 2019 (Trichoptera: Hydropsychidae) with some notes on its habitat Shogo HIGASHIDA (KINDAI Univ.)	G01-12 Repellent effects of a jasmonic acid analog against the melon thrips, *Thrips palmi* on cucumber plant Shuhei F. ADACHI (NARO)	H02-05 Does developmental fluctuation correlate with environment-induced variation in *Drosophila simulans*? Keita SAITO (Grad. Sci. Eng., Chiba Univ.)	I02-08 Current distribution and status of non-native channel catfish in Japan Makoto A. YOSHIDA (NIES) Conservation
16:30	A02-06 Do songbirds feel the vibes? Nao OTA (MPIO)	B02-06 Changes in the soil microbial-driven nitrogen cycle by the presence of mice in heavy metal contaminated and organic amended soils Takamitsu OHIGASHI (Hokaido University)	C02-06 Impact of typhoons on forest landscape: Estimation of biomass loss using Lidar and satellite optical data Md Farhadur RAHMAN (Kyoto Univ.)	D03-06 Temporal and size-related interspecific variations in trait-mediated demographic associations in a warm temperate rain forest Yoshiko IIDA (FFPRI)	Virtual chat space	F02-02 The life history of parasitic nematodes of Spirobolida in Yaeyama Islands Yuta FUJIMORI (Meiji Univ.)	G01-13 Super herbivorous performance of Chinese *Callosobruchus chinensis* and influences of cross between Japanese strain Masakazu SHIMADA (Univ. Tokyo)	H02-06 Functional evolution of termite gut microbial communities Thomas BOURGUIGNON (OIST)	I03-01 Trading status of Japanese crayfish(Cambaroides japonicus) in the past 12 years at Internet auctions Kazunori TANAKA (Hokkaido Univ.)
16:45	A02-07 A non-destructive approach to collect nest material data using photographs Shoko SUGASAWA (University of St Andrews)	B02-07 A model validation of soil carbon stock change and correlated edaphic factors after harvests at different intensities in a Borneo tropical rain forest Qianning QIN (Kyoto Univ.)	C02-07 Time, spaces, and parents: What determines frequency of children's play in nature? Van Mai TRUONG (Hiroshima University)	Virtual chat space	Virtual chat space	F02-03 Evolution of life cycle diversity in marine invertebrates Yoh IWASA (Kyushu Univ.,Nagano Univ.)	G01-14 The number of eggs laid by *Aspidimorpha indica* was reduced on leaves eaten by *Laccoptera nepalensis* Natsuki NOMURA (Gifu Univ.)	H02-07 Antigenic escape selects for the evolution of higher pathogen transmission and virulence Akira SASAKI (The Grad Univ Advanced Studies,IIASA)	I03-02 Restoration of the linkage between forest, village, river and sea based on Japanese eel habitat evaluation --- The integration of eDNA and GIS --- Satoshi KAMEYAMA (NIES)
17:00	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space

Oral presentations 3/15(Tue) 10:00-12:00 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/69/oral_index.html>.

	E Room A	E Room B	E Room C	Room D	Room E	Room F	Room G	Room H	Room I
Time	Plant ecophysiology/ Life history of plants	Animal population/ Fungi and microbes	Conservation	Plant population	Material cycling	Animal population	Behavior	Mathematical ecology	Conservation
10:00	A03-01 Relationships between leaf phosphorus fractions and leaf functional traits among 12 Australian woody species Yuki TSUJII (Kyushu Univeristy,Macquarie University)	B03-01 Activity cycle of free-ranging tri-spine horseshoe crabs in the southeastern coast of Sabah, Borneo Shinichi WATANABE (Little Leonardo Co.)	C03-01 The effects of climate change on Australia's only endemic Poké mon: Measuring bias in species distribution models Dan WARREN (OIST)	D04-01 Refugia of Fagus crenata in northern Japan detected by genetic markers of phytophagous insect Norio KITO (Hokkaido Univ. Education)	E02-01 Simulating the effect of carbon starvation on terrestrial ecosystem using SEIB-DGVM Hideki NINOMIYA (Hokkaido Univ.)	F03-01 The growth dynamics of microbes with the environmental suitability Daiki KUMAKURA (Hokkaido Univ. Life Science)	G02-01 Are ant-mimicking spiders tsun-dere? - Using machine learning methods to analyze behavioral changes in mimics in response to mimicry models. Yoshiaki HASHIMOTO, (University of Hyogo)	H03-01 Escaping stochastic extinction of mutant virus: temporal pattern of emergence of drug resistance within the host Rena HAYASHI (Kyushu Univ.)	I03-03 Seashore conservation featuring two species of plovers as flagship species by local residents in Awaji island Ayana TATSUTA (University of Hyogo)
10:15	A03-02 Elucidation of heavy metal tolerance in *Artemisia indica* var. *maximowiczii* growing at a mine site, considering root endophytic fungi interaction Xingyan LU (University of Tsukuba)	B03-02 Measuring individual specialization in diet of a generalist marine snake using multi-tissue stable isotope analysis Kanta FUJISHIMA (Kyoto Univ.)	C03-02 Exploring indicators to predict the total biomass of bushmeat mammals in an African rainforest Shun HONGO (Kyoto Univ.)	D04-02 Irreversible shift of forest vegetation due to deer browsing under Mycorrhizal mutualism Kaoru SUZUKI (Tokyo Metropolitan Univ)	E02-02 Spatiotemporal variation of CO_2 fluxes in a coastal dune ecosystem Ruri NAKAMURA (Tottori Univ.)	F03-02 Fish detection and count using deep CNN with double-observer method Yutaka OSADA (FRA)	G02-02 A comparison of foraging strategies in five genera of ant-eating spiders (Theridiidae: Hadrotarsinae) Shogo NOGUCHI (Kyushu Univ.)	H03-02 Modeling early evolution scenarios of multicellular organisms by multilevel selection Shigeo YACHI (CER, Kyoto Univ.)	I03-04 Effects of environmental factors and plant traits on the species composition of remaining semi-natural grasslands in urban areas Akira NODA (Toho Univ.)
10:30	A03-03 Determinants of leaf longevity of Arabidopsis halleri under the seasonal environmental fluctuations. Genki YUMOTO (Kyoto Univ. CER)	B03-03 Spawning season, male guarding behavior and egg predation of invasive smallmouth bass (Micropterus dolomieu) in Lake Nojiri, Japan Miles Isao PETERSON (Shinshu University)	C03-03 Habituation or sensitization? Long-term responses of yellow-bellied marmots to human disturbance. Kenta UCHIDA (UCLA,JSPS)	D04-03 Density dependence reduces both survivorship and clonal growth in a dwarf bamboo (Sasa tyuhgokensis). Nao TANIGUCHI (Tokyo Metropolitan Univ.)	E02-03 Contribution of chemoautotrophic bacteria to food source of freshwater megafish in a reservoir using multiple stable isotopes Ayano MEDO (Kyoto University)	F03-03 Evaluation of concentration dependences and species specificity of the waterborne settlement inducing protein in barnacles Shiori KITADE (Univ. of Hyogo)	G02-03 Escape trajectories in a primitive insect, the firebrat (*Thermobia domestica*, Thysanura) Mei SATO (Nagasaki Univ. Graduate School)	H03-03 Co-development of chemotrophic microbial community and redox network Mayumi SETO (Nara Women's Univ.)	I03-05 Comparison of aquatic communities in irrigated rice fields cultivated under different cropping systems Natsuru YASUNO (CESS) **Ecosystem management**
10:45	A03-04 Rafflesiaceae in southwestern part of Sarawak: effects of climatic condition on the reproduction Nur safinas Binti JELANI (Nagoya University,Forest Department Sarawak)	B03-04 Do impacts and infection levels of parasite change across seasons? A test in stream salmonid and parasitic copepod system Ryota HASEGAWA (Hokkaido Univ.)	C03-04 Projecting the impacts of climate change on traditional food species for Arctic indigenous peoples Jorge GARCIA MOLINOS (Hokkaido University)	D04-04 Latitude gradient of flowering and fruiting phenology in Southeast Asia Ai NAGAHAMA (Kyushu Univ.)	E02-04 Soil changes due to restoration of riparian forests in the Konsen region of Hokkaido Akiharu SASAKI (Hokkaido University)	F03-04 Disturbance and recovery in the intertidal zone of the deep river in Tokyo Bay Teruki MASUMOTO (Kameda Univ. of Helth Sci.)	G02-04 Detecting Environmental Responses of Organisms from Acoustic Observations: An Application of Nonlinear Time Series Analysis to Acoustic Data Kazunari ASAI (Tohoku Univ.)	H03-04 Theory of structural change of plant community under fertilization Atsushi YAMAUCHI (Kyoto University)	I04-01 Decomposition of predictability in population dynamics Kenta SUZUKI (RIKEN BRC)
11:00	Break	Break	Break	**Plant reproduction**	Break	Break	Break	Break	Break
11:15	A03-05 An efficient method for estimating tree root structure using SfM Yuki OKAMOTO (University of Hyogo)	B03-05 Functions of compound produced by the endophyte, *Pezicula ericae*, infecting *Aucuba japonica* roots Kouhei DOYAMA (Univ. of Tsukuba)	C03-05 Impacts of endosymbiotic Wolbachia bacterial diversity, parasitoid diversity, and climate change on host – parasitoids system persistence Phyu Phyu SAN (Kyushu University)	D05-01 Does prior selfing diminish the opportunity of outcrossing in a mixed mating species *Commelina communis*? Kana MASUDA (Kobe Univ.)	E02-05 Dose farmer decide fertilizer application to farmland functionally ? Shinichiro MISHIMA (NARO Japan)	F03-05 What environmental factors regulate population dynamics of the great orange tip? Wataru NAKAMIZO (Kyushu Univ.)	G02-05 Males migrate to higher latitudes than females: sexual differences in migratory patterns in loggerhead turtles CHIHIRO KINOSHITA (The University of Tokyo)	H03-05 Sampling Theory and Species Abundance Distribution in Food Web Kei TOKITA (Kei Tokita)	I04-03 Tree dynamics for 9 years after the formation of artificial gaps in urban forests Kazunori SHIMADA (Tama For. Sci. Garden, FFPRI)
11:30	A03-06 Radial gas diffusion of gas in wood: where does the methane produced in the heartwood of tree trunks go? Daniel EPRON (Kyoto Univ.)	B03-06 Microenvironmental heterogeneity in gut of Nasutitermes drives differential ecological specificity and function of bacterial symbiont communities. Anna PROKHOROVA (Okinawa Inst. Science and Tech)	C03-06 Species delimitation and spatial genetic structure of precious corals (Anthozoa: Octocorallia: Coralliidae) in Japan using genome-wide SNPs Kenji TAKATA (University of Miyazaki)	D05-02 Population maintenance with seeds and bulbils in a monoecious perennial herb ; *Laportea bulbifera* Ryutaro TSUJIMOTO (Hokkaido Univ. Env. Science)	E02-06 Soil chemical properties of unfertilized and conventional farms: from the viewpoint of watershed management Shin-ichiro MATSUZAKI (NIES)	F03-06 Identifying "the genetic basis of population process" in *Drosophila*. Takahisa UENO (Grad. Sci. Eng., Chiba Univ.)	G02-06 Size-dependent behaviors of river-descending masu salmon Ryo FUTAMURA (Hokkaido Univ.)	H03-06 Data analysis by Generalized Linear Models: presence of interaction term changes the meaning of coefficient Eiiti KASUYA (Kyushu University)	I04-04 Development of Tree Species Identification and Stem Volume Estimation System Using UAV and Deep Learning Masanori ONISHI (Kyoto Univ.)
11:45	Virtual chat space	B03-07 Diversity of arbuscular mycorrhizal fungi and its chemical drivers across dryland habitats Juha ALATALO (Qatar University)	C03-07 An eDNA survey on toxic invasive toad in Hokkaido Hiroki MIZUMOTO (Hokkaido University)	D05-03 The determinant factors of the mast flowering periodicity in Veratrum album populations at different elevations Yohei ITO (Hokkaido Univ.)	Virtual chat space	F03-07 Population dynamics of resident dung beetles influenced by deer invasion. Ryo AKASHI (Hokkaido Univ. Sci.)	Virtual chat space	H03-07 Stabilizing and equalizing effects determine the competitive outcome in metacommunities Naoto SHINOHARA (Hirosaki Univ.)	I04-05 Ecosystem function of remaining forest near the city ~Evaluation of biological services and disservices~ Michitaka TAKEI (GSFS,The Univ. of Tokyo)
12:00	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space

Oral presentations 3/15(Tue) 15:30-17:30 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/69/oral_index.html>.

	E Room A	E Room B	E Room C	Room D	Room E	Room F	Room G	Room H	Room I
Time	Evolution	Mathematical ecology	Biodiversity	Plant reproduction	Forum	Animal population	Behavior	Forum	Education and popularization of ecology
15:30	A04-01 Is the circatidal rhythm in the freshwater snail resulted from the adaptive evolution? Takumi YOKOMIZO (Grad. Sci. Eng., Chiba Univ.)	B04-01 Conditional strategies through kin recognition under the tragedy of the common games in plants Bo-moon KIM (Tokyo Metropolitan Univsersity)	C04-01 Land use shapes ecological resilience to typhoons Samuel Robert peter-james ROSS (Trinity College Dublin,OIST)	D05-04 Analysis of the relationship between the behavior of rhizomes of *Cardamine leucantha* and the soil environment Kiwako S. ARAKI (Ritsumeikan Univ.)		F03-08 Detected proximate density dependent factor of reintroduced population of crested ibis in Sado Island Hisashi NAGATA (Niigata University)	G02-07 A facultative myrmecophilous butterfly reduces symbiotic costs in a newly expanded enemy-free area Yui NAKABAYASHI (Kyoto Prefectural Univ.)		I05-01 Modern creature culture created by creature lovers-Examples of Gyobu Cafe Biophilia, etc. Daisuke INOUE (NPO Kitakyushu / Gyobu)
15:45	A04-02 Alpha-amanitin tolerance of adult flies within Drosophilidae Yang ZHANG (Hokkaido University)	B04-02 Valley of free-riders on the evolution from horizontally to vertically transmitted mutualism Yu UCHIUMI (Nihon Univ.)	C04-02 Detecting the changes of vegetation and land use due to wind power plant construction in Zenibako Coast, Hokkaido, Japan Sharmin SHISHIR (University of Toyama,Center for Far Eastern Studies)	D05-05 The differences in phenotypic traits and distribution patterns between two sub-species of Youngia japonica within an Urban-Rural gradient Shuhei NAKANO (Kobe Univ.)		F03-09 Survival and cause-specific mortality of female sika deer in Shiretoko Peninsula, Hokkaido Hiroyuki UNO (Tokyo Univ. of Agri. & Tech.)	G02-08 Counter-adaptation to the harmful effects of artificial light at night in the urban populations of *Drosophila suzukii* Ayame SATO (Grad. Sci. Eng., Chiba Univ.)		I05-02 A collaborative approach to regeneration of the Kiso horse culture and its traditional grassland management Takeshi SUKA (Nagano Env.Conserv.Res.Inst.)
16:00	A04-03 Genome evolution in termites Tracy Lynn AUDISIO (OIST)	B04-03 Modeling acorn masting by the Spatially Explicit Individual Based DGVM in a deciduous-conifer mixed forest in Hokkaido Lea VEGH (Hokkaido University)	C04-03 Patterns of functional alpha and beta diversity of Japanese bat assemblages Takahiro MAKI (The University of Tokyo)	D05-06 Global warming causes flowering phenology shift: a comparison of flowering gene expression patterns between the temperate and subtropical zones Hideyuki KOMOTO (Kyushu Univ.)	U08 The Future of Measures against Invasive Alien Species	F03-10 Genetic structure of wild boar (*Sus Scrofa*) populations in Japan Kotaro SAWAI (NIAH)	G02-09 Unravelling the genomic architecture of social collectives in *Drosophila melanogaster* Daiki SATO (Grad. Sci., Chiba Univ.)	U09 Let's listen behind the choice of life 3	I05-03 Conducting observation sessions in collaboration with citizens for the conservation of local biodiversity Daisuke AKAISHI (Kyoto Univ.)
16:15	A04-04 Gene flow and chromosome evolution in sticklebacks Yo YAMASAKI (National Institute of Genetics)	B04-04 Mathematical Analysis of Epidemic SEIS Dynamics as Point Process. Sayeda Irin AKTER (Nara Women's University)	C04-04 Influence of environment, land use, and species interactions on ant community dynamics across a landscape-scale observation network Yazmin hanani ZURITA GUTIERREZ (OIST)	D05-07 Seed dispersal of *Plantago asiatica* by sticking to the shoes Nanako ABE (Obihiro Univ. Agr. Vet. Med.)		F03-11 Estimation of fish distributions in rivers using environmental DNA: a hierarchical Bayesian modeling with DNA dynamics Aoba ITO (Tohoku Univ.)	G02-10 Interspecific sexual interaction between *Anomala albopilosa* and endemic scarab beetles Yukai FUKUTANI (Chiba city)		I05-04 Has COVID-19 pandemic increased outdoor activities? Evidence from human mobility flow data in a regional city Yusuke UENO (Ishikawa Prefectural Univ.)
16:30	Break	Break	Break	Break		Break	Break		Virtual chat space
16:45	A04-05 Convergent evolution of complex mandibular strikes in termites Ales BUCEK (Okinawa Inst. Sci. and Tech.)	B04-05 Mathematical model for aggregated multiple infections of fungal parasites on phytoplankton host cells Takeshi MIKI (Ryukoku University)	C04-05 Neoisoptera repetitively colonized Madagascar after the Middle Miocene climatic optimum Menglin WANG (OIST)	D05-08 Latitudinal cline of flowering and fruiting phenology in Fagaceae Quenta ARAYE (Kyushu University)		F03-12 How have stream organisms expanded their distributions beyond the watersheds? A genetic test for stream capture hypothesis in white-spotted charr. Taro MASUDA (Setsunan Univ.)	G02-11 Studies on the Sucking Behavior of praobdellid leech(*Myxobdella sinanensis*); a Parasite on Japanese freshwater crab(*Geothelphusa dehaani*) Takato KUDARA (Kindai Univ.)		Virtual chat space
17:00	A04-06 Evolution of the stinging apparatus in ants Alexandre CASADEI FERREIRA (OIST)	B04-06 Coexistence theory as a nexus for linking competition and biogeography David ARMITAGE (Okinawa Inst. Sci. Tech.)	C04-06 Deeply divergent freshwater fish species within a single river system in central Sulawesi Ilham Vemandra UTAMA (TBRC University of the Ryukyus,MZB, RC Biology, BRIN)	Virtual chat space	Virtual chat space	Animal reproduction F04-01 Fertilization modes and the evolution of sperm characteristics in marine fishes Takeshi ITO (Osaka City Univ.)	G02-12 Estimation of predators and predation pressure of juvenile *Anguilla japonica* by tethering experiments Kazuki MINE (Nagasaki Univ.)	Virtual chat space	Virtual chat space
17:15	A04-07 Unraveling taxonomy and evolutionary dynamics of a remarkable ant radiation in Madagascar based on next-generation-sequencing and 3D cybertaxonomy Francisco HITA GARCIA (OIST)	Virtual chat space	C04-07 Image-based classification of bulk insect samples for biodiversity surverys using deep neural networks Tomochika FUJISAWA (Shiga Univ.)	Virtual chat space	Virtual chat space	F04-02 Breeding ecology of common buzzards *Buteo buteo* in noto region, Ishikawa prefecture-Observation in the nest with a CCD camera- Chie KAMOGAWA (Kokudokaihatsucenter Co., Ltd.)	G02-13 Trichoptera larval case as strategy against predation by carnivorous aquatic insect Ryosuke IIJIMA (Kindai Univ.)	Virtual chat space	Virtual chat space
17:30	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space	Virtual chat space