



# Oral presentations March 17 (Wed) 14:15-15:30

**E** English Sessions: All presentations are given in English    **[EPAA]** Presentation applied to the English Presentation Audiences Award

**[B]** Bilingual presentation: Presentation slides or poster will be prepared in English or Japanese with English subtitles

Time	Room A Plant ecophysiology	Room B Animal community	Room C Behavior	Room D Evolution	Room E Conservation	Room F Ecosystem management <b>E</b>	Room G Plant community / Landscape ecology <b>E</b>	Room H Behavior <b>E</b>	
<b>14:15</b>	<p>[A01-05] Metal Tolerance in <i>Aucuba japonica</i> Thunb. Naturally Growing at Mine Site and the Functions of Endophyte, <i>Pezizula ericae</i> *Kohei DOYAMA (Univ. of Tsukuba), Keiko YAMAJI (Univ. of Tsukuba), Toshikatsu HARUMA (JAEA, Univ. of Tsukuba), Hayato MASUYA (FFPRI)</p>	<p>[B01-05] Compositional data applicability of a causal prediction method using CCM *Daiki KUMAKURA (Hokkaido Univ. Life Sci.), Ryo YAMAGUCHI (Hokkaido Univ. Adv. Life Sci.), Shinji NAKAOKA (Hokkaido Univ. Adv. Life Sci.)</p>	<p>[C01-05] Population comparisons of the female choice in <i>Appasus japonicus</i> *Shin-ya OHBA, Iroha MATSUDA, Hinata OHURA, Chihono YAMADA, Aina YOSHIMURA (Fac. Edu. Nagasaki Univ.)</p>	<p>[D01-05][B] Reproductive isolation in the spider mite <i>Amphitetranychus viennensis</i> is explained by genetic distance *Yukie SATO (Univ. of Tsukuba), Satoshi FUJIWARA (Ibaraki Pref. Govern., Ibaraki Univ.), Martijn EGAS (UvA), Tomoko MATSUDA (Nihon BioData Corp., Ibaraki Univ.), Tetsuo GOTOH (Ryutsu Keizai Univ., Ibaraki Univ.)</p>	<p>[E01-05] Challenge to conserve the beech forest in southern limit, as a "national monument". *Daisuke SAKUMA (Osaka Mus. Nat. Hist.)</p>	<p>[F01-05][EPAA] Royal-specific gut microbiota in termites *Tatsuya INAGAKI (Kyoto University, Tokyo Institute of Technology), Katsura IGAI (Tokyo Institute of Technology), Yuichi HONGO (Tokyo Institute of Technology), Kenji MATSUURA (Kyoto University)</p>	<p>[G01-05][EPAA] Asymmetry of tree species combination in individual-scale "matchups" across life stages facilitates species coexistence in a temperate mixed forest *Chinatsu HOMMA (Akita Prefectural Univ.), Tomohiro ITABASHI (Akita Prefectural Univ.), Ohta KAZUhide (Akita Prefectural Univ.), Mahoko NOGUCHI (Tohoku Research Center, FFPRI), Kazuhiko HOSHIZAKI (Akita Prefectural Univ.)</p>	<p>[H01-05] Knowing kin and non-kin: self-referent phenotype matching and conspecific preference in frog tadpole *Kazuko HASE (The University of Tokyo), Nobuyuki KUTSUKAKE (SOKENDAI)</p>	
<b>14:30</b>	<p>[A01-06] Possible roles of fine root dynamics for aboveground production in beech forests: time series analysis with the state space model *Ryo NAKAHATA (Kyoto University), Masaaki NARAMOTO (Shizuoka University), Masako SATO (Shizuoka University), Hiromi MIZUNAGA (Shizuoka University)</p>	<p>[B01-06][B] Effect of network size on structural indices in bipartite ecological networks *Shigeki KISHI (RCAIT, NARO), Masayoshi HIRAIWA (NIAES, NARO)</p>	<p>[C01-06][B] Mating behavior and sexual conflict in the seed beetle, <i>Megabrubridius dorsalis</i>: spermatophore size and mating experience *Masakazu SHIMADA, Kazuko HASE, Kako OHBAYASHI, Masako KATSUKI (Univ. of Tokyo)</p>	<p>[D01-06] Biotic interactions can cause allopatry and subsequent speciation *Ryo YAMAGUCHI (Hokkaido Univ.)</p>	<p>[E01-06] The effects of dominance of unpalatable plants and reduced seed supply on vegetation recovery from deer overgrazing *Tomotaka FUJII, Masae ISHIHARA, Shota SAKAGUCHI (Kyoto Univ.)</p>	<p>[F01-06][EPAA] Fermentation ability of Japanese macaques' gut microbiome fluctuates seasonally with diet *Wanyi LEE (PRI, Kyoto Univ.), Tianmeng HE (PRI, Kyoto Univ.), Yosuke KURIHARA (Shizuoka Univ.), Izumi SHIROISHI (PRI, Kyoto Univ.), Goro HANYA (PRI, Kyoto Univ.)</p>	<p>[G01-06][EPAA] Analysis of the global patterns in canopy maximum height with respect to climatic factors and soil variables *Kei TACHIBANA, Yusuke ONODA (Kyoto Univ.)</p>	<p>[H01-06][EPAA] Embryonic evidence uncovers evolutionary origin of laryngeal echolocation in bats. *Taro NOJIRI (The Univ. of Tokyo), Laura WILSON (UNSW), Camilo LOPEZ-AGUIRRE (UNSW), Vuong Tan TU (VAST), Dai FUKUI (The Univ. of Tokyo), Hideki ENDO (The Univ. of Tokyo), Daisuke KOYABU (The Univ. of Tsukuba, TMDU)</p>	
<b>14:45</b>	<p>[A01-07][B] Ontogenetic scaling of root/shoot ratio of whole-plant respiration in herbs and trees *Shigeta MORI (Yamagata Univ.), Yoko KUROSAWA (UGAS, Iwate Univ.), Mofei WANG (UGAS, Iwate Univ.), Keiko YAMAJI (Univ. of Tsukuba), Tomohiro NISHIZONO (FFPRI), Kohei KOYAMA (Obihiro Univ. Agr. Vet. Med.), Atsushi ISHIDA (Kyoto Univ.)</p>	<p>[B01-07] Modeling the distribution and abundance of river fish using environmental DNA metabarcoding data. *Tomoya ENDO (Tohoku Univ.), Hiroyuki KAGAWA (Tohoku Ryokka Kankyochozen), Masaru NARITA (Tohoku Ryokka Kankyochozen), Yutaka OSADA (FRA), Michio KONDOH (Tohoku Univ.)</p>	<p>[C01-07] Foraging range and activity link oxidative stress in seabirds during chick-rearing period *Shiho KOYAMA, Yuichi MIZUTANI, Ken YODA (Nagoya Univ.)</p>	<p>[D01-07] Is non-adaptive speciation inevitable in hybrid zones? *Kotaro KAGAWA (Tohoku Univ.)</p>	<p>[E01-07] Analyses of the causal effects of insecticides and other factors on the sharp population declines of <i>Sympetrum freagens</i> using population models *Kosuke NAKANISHI, Hiroyuki YOKOMIZO, Takehiko I. HAYASHI (NIES)</p>	<p>[F01-07] Microbiome cycling in dairy farms: Journeys from environments to cow intestines and soils *Chikae TATSUMI, Akari KIMURA, Johnson ORAEBGUNAM, Yoshitaka UCHIDA (Hokkaido University)</p>	<p>[G01-07] Ontogenetic changes in leaf trait associations across woody species in a Japanese temperate forest *Hiroko KUROKAWA (FFPRI), Yoshiko IIDA (FFPRI), Shoji NAOE (FFPRI), Michio OGURO (FFPRI), Fujio HYODO (Okayama Univ.), Tohru NAKASHIZUKA (FFPRI)</p>	<p>[H01-07][EPAA] Food transfer in Golden-faced saki, a seed-eating primate: An explanation of juveniles' begging behavior *Makiko TAKE (Kyoto Univ., PRI), Wilson SPIRONELLO (INPA, UFPE), Takakazu YUMOTO (Kyoto Univ., PRI)</p>	
<b>15:00</b>	<p>[A01-08] Observation of the Drought Responses of Grassland and Forest using Satellite-based SIF and PRI in the Mongolian Plateau *Tomoki KIYONO (NIES), Hibiki M. NODA (NIES), Tomo'omi KUMAGAI (The University of Tokyo), Haruki OSHIO (NIES), Yukio YOSHIDA (NIES), Tsuneo MATSUNAGA (NIES), Kouki HIKOSAKA (Tohoku University)</p>	<p>[B01-08] A test of the effects of species diversity of definitive hosts on the infection dynamics of horsehair worms in Hokkaido, Japan. *Naoto TOMOBUCHI (Kobe Univ.), Shunsuke UTSUMI (Hokkaido Univ.), Tamihisa OHTA (Toyama Univ.), Osamu KISHIDA (Hokkaido Univ.), Ryunosuke TATENO (Kyoto Univ.), Shigeru NIWA (JAPAN WILDLIFE RESEARCH CENTER), Koh HASEGAWA (Japan Fish. Res. and Edu. Agy.), Gaku TAKIMOTO (Tokyo Univ.), Kensuke MORI (Kobe Univ.), Takuya SATO (Kobe Univ.)</p>	<p>[C01-08] Scaling of dive duration among water birds with contrasted swimming modes *Hiroya MATSUSHITA (SOKENDAI), Yuuki WATANABE (SOKENDAI, NIPR)</p>	<p>[D01-08] Effects of body size divergence on male mating behavior in the ground beetle <i>Carabus japonicus</i> *Yutaka OKUZAKI (The University of Tokyo)</p>	<p>[E01-08][B] The preliminary report of DNA methylation-based age estimation research of felids *Huiyuan QI (WRC, Kyoto Univ.), Kodzue KINOSHITA (WRC, Kyoto Univ.), Takashi MORI (Daktari Animal Hospital), Kaori OHKURA (Daktari Animal Hospital), Yukiko MATSUI (Tama Zoological Park), Miho MURAYAMA (WRC, Kyoto Univ.)</p>				<p>[H01-08][EPAA] Examining determinants of fecal particle size in Japanese macaques: The role of diet, toughness, age and sex in omnivore's chewing *Tianmeng HE, Wanyi LEE, Goro HANYA (京都大学霊長類研究所)</p>
<b>15:15</b>	(Break)	(Break)	(Break)	(Break)	(Break)				

Oral presentations March 17 (Wed) 15:30-16:30

[B] Bilingual presentation: Presentation slides or poster will be prepared in English or Japanese with English subtitles

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Time	Plant ecophysiology	Animal community	Behavior	Evolution	Conservation			
15:30	<p>[A01-09][B] Leaf surface reconstruction and under surface analysis in 3D Euclidean space *Koji NOSHITA (Kyushu Univ.)</p>	<p>[B01-09] Activity of reptiles during a dry and wet season in a tropical dry forest of north west Madagascar *Ryobu FUKUYAMA, Kaoru KITAJIMA (Kyoto Univ.)</p>	<p>[C01-09][B] Similar circling movements observed across marine megafauna taxa *Tomoko NARAZAKI (Tokyo Univ.), Itsumi NAKAMURA (Nagasaki Univ.), Kagari AOKI (Tokyo Univ.), Takashi IWATA (OPRI, Tokyo Univ.), Kozue SHIOMI (Tohoku Univ.), Paolo LUSCHI (Univ. of Pisa), Hiroyuki SUGANUMA (ELNA), Carl G MEYER (Univ. of Hawaii), Rui MATSUMOTO (OCF Japan), Charles A BOST (CEBC), Yves HANDRICH (Univ. of Strasbourg, CNRS), Masao AMANO (Nagasaki Univ.), Ryosuke OKAMOTO (OWA), Kyoichi MORI (Telkyo Univ. of Science), Stephane CICCIONE (Kolumbia), Jerome BOURJEA (Univ. of Montpellier), Katsufumi SATO (Tokyo Univ.)</p>	<p>[D01-09] Head morphology and pray-handling behavior of Japanese striped snake having fish-eating habit on Sado island *Yuka WATANABE (Niigata Univ. Science), Masami HASEGAWA (Toho Univ. Science), Midori IIDA (SMBS, Niigata Univ.), Kakeru ITO (Niigata Univ. Natural Science), Harue ABE (Niigata Univ.)</p>	<p>[E01-09][B] Do genes govern pair chemistry: MHC genotypes and their effect on reproduction in the endangered Japanese golden eagle *Annegret Moto NAITO (Kyoto University), Yu SATO (The University of Edinburgh), Taku MAEDA (Iwate Pref. RI EnvSci&amp;PubHlth), Takehiko INOUE (Asian Raptor Res.&amp;Cons. Netw.), Nobuyoshi NAKAJIMA (Nat. Inst. for Env. Studies), Miho INOUE-MURAYAMA (Kyoto University, Nat. Inst. for Env. Studies)</p>			
		<div style="border: 1px solid black; padding: 2px; text-align: center;">Animal population</div>						
15:45	<p>[A01-10] Light competition and forest development along a secondary succession in a cool temperate climate *Yusuke ONODA (Kyoto Univ.), Tomonari MATSUO (Kyoto Univ., Wageningen Univ.), Keito KOBAYASHI (Kyoto Univ.), Tsutomu HIURA (Hokkaido Univ., Tokyo Univ.)</p>	<p>[B01-10] Distribution of large dragonfly species in Lake Biwa using exuviaes *Tatsuya OKUDA (Shiga Univ.)</p>	<p>[C01-10][B] Functional advantages of Lévy walks emerging as critical phenomena *Masato S. ABE (RIKEN AIP)</p>	<p>[D01-10] Fertilization modes drive the evolution of sperm characteristics in Baikal sculpins *Takeshi ITO (Osaka City Univ.), Izumi KINOSHITA (Kochi Univ.), Daisuke TAHARA (Fukui Prefectural Univ.), Akira GOTO (Hokkaido Univ.), Shotaro TOJIMA (Kochi Univ.), Valentina G SIDELEVA (Russian Acad. Sci.), Alexandr B KUPCHINSKY (Russian Acad. Sci.), Satoshi AWATA (Osaka City Univ.)</p>	<p>[E01-10] Water availability to Oriental White Storks' habitat in Echi-River alluvial fan *Yumi YAMADA (Keio University, RIHN), Kentaro TAKI (University of Shiga Prefecture, RIHN), Takehito YOSHIDA (RIHN, The University of Tokyo), Tomohiro DEGUCHI (University of Hyogo), Tomohiro ICHINOSE (Keio University, RIHN)</p>			
16:00	<p>[A01-11][B] How plants distinguish shade *Atsushi KUME (Kyushu Univ.)</p>	<p>[B01-11] Individual and regional variation in the diet of brown bears in the Shiretoko Peninsula. *Mina JIMBO (Hokkaido Univ.), Yuri SHIRANE (Hokkaido Univ.), Yoshihiro UMEMURA (Shiretoko Nature Foundation), Kouhei SHINJO (Shiretoko Nature Foundation), Masanao NAKANISHI (Shiretoko Nature Foundation), Tsuyoshi ISHINAZAKA (Shiretoko Nature Foundation), Hiroyuki UNO (Hokkaido Research Organization), Mariko SASHIKA (Hokkaido Univ.), Toshio TSUBOTA (Hokkaido Univ.), Michito SHIMOZURU (Hokkaido Univ.)</p>	<p>[C01-11] Gap between optimal foraging theory and behavior: Stochastic decision-making model for revealing the cognitive process *Ai KAWAMORI (Inst. Statistical Mathematics), Yukiko OGURA (Tokyo Univ.), Yuki FUJIKAWA (Hokkaido Univ.), Toshiya MATSUSHIMA (Hokkaido Univ.)</p>	<p>[D01-11] Symbiotic protist composition of Japanese <i>Reticulitermes</i> termites and effect of host hybridization *Osamu KITADE (Ibaraki Univ.), Satoko NODA (Yamanashi Univ.)</p>	<p>[E01-11] At-sea habitat selection of rhinoceros auklets in Daikoku Island, Hokkaido *Takahiro SATO (Tokushima Univ.), Yuki YABUHARA (Chiba Pref., Tokushima Univ.), Akihiro YAMAUCHI (Tokushima Univ.), Jumpei OKADO (Hokkaido Univ.), Yutaka WATANUKI (Hokkaido Univ.), Yoichi KAWAGUCHI (Tokushima Univ.)</p>			
16:15	<p>[A01-12][B] Optimal control of root nodulation depending on soil nitrogen, light, and growth rate *Yoh IWASA (Kwansei Gakuin Univ.), Sachi YAMAGUCHI (Tokyo Woman's Christian Univ.), Ryota KOBAYASHI (Kwansei Gakuin Univ.)</p>	<p>[B01-12] Ecological survey of proboscis monkeys using drones *Shin WATANABE (University of the Ryukyus), Satoru SUGITA (Chubu University), Ikki MATSUDA (Chubu University)</p>	<p>[C01-12] Foraging movements and prey of short-tailed shearwaters in the Southern Ocean *Sarara AZUMI (Hokkaido Univ.), Yutaka WATANUKI (Hokkaido Univ.), Akinori TAKAHASHI (NIPR), Nobuo KOKUBUN (NIPR), Yasuhiro ANDO (Hokkaido Univ.), Masato MOTTEKI (TUMSAT), Fernando ARCE (IMAS), Olivia DOVE (IMAS), Mary-Anne LEA (IMAS), Mark HINDELL (IMAS)</p>	<p>[D01-12] On the estimation of a branch specific directional selection *Yusaku OHKUBO (ISM, Hokkaido University), Nobuyuki KUTSUKAKE (Sokendai), Itsuro KOIZUMI (Hokkaido University)</p>	<p>[E01-12] Use of Marine and Coastal Ecosystem in Japan. Consideration of Future Scenarios *Takehisa YAMAKITA (JAMSTEC), Masakazu HORI (FRA), Yoichi ISHIKAWA (JAMSTEC), Masahiro NAKAOKA (Hokkaido Univ.), Hiroya YAMANO (NIES), Mitsutaku MAKINO (U Tokyo), Atushi NANAMI (FRA), Yoshihisa SHIRAYAMA (JAMSTEC)</p>			

# Oral presentations March 18 (Thu) 9:00-10:15

**E** English Sessions: All presentations are given in English    **[EPAA]** Presentation applied to the English Presentation Audiences Award

**[B]** Bilingual presentation: Presentation slides or poster will be prepared in English or Japanese with English subtitles

Time	Room A Plant community	Room B Animal population	Room C Behavior	Room D Evolution	Room E Conservation	Room F Plant ecophysiology / Plant population <b>E</b>	Room G Evolution <b>E</b>	Room H Biodiversity <b>E</b>
<b>09:00</b>	<p>[A02-01] Tree crown mapping using aerial images taken by an unmanned aerial vehicle in several seasons on a cool-temperate deciduous forest *Mitsutoshi TOMOTSUNE (Tamagawa Univ.), Yuta KOYAMA (Waseda Univ.), Shinpei YOSHITAKE (Waseda Univ.), Seiko SEKIKAWA (Tamagawa Univ.), Toshiyuki OHTSUKA (Gifu Univ.)</p>	<p>[B02-01] Diet of forest elephants by fecal analysis in Moukalaba, Gabon: Does body size matter? *Mayuko NOMOTO (Kyoto University)</p>	<p>[C02-01] Dietary variation of giant white-spotted charr within rivers along the coastline from Rebun Island to Sado Island *Akihiko GOTO (The University of Tokyo), Mari KUROKI (The University of Tokyo), Kentaro MORITA (Hokkaido University)</p>	<p>[D02-01] Evolutionary double suicide in a symbiotic system *Yu UCHIUMI, Masato SATO, Akira SASAKI (SOKENDAI)</p>	<p>[E02-01] Transactions of small salamanders in the past 10 years at internet auctions *Yusuke UENO, Kento EGUCHI (Ishikawa Prefectural Univ.)</p>	<p>[F02-01][EPAA] Height-related adaptation of xylem structure and limitation of vessel widening of Old trees. *Yuiko NOGUCHI (Grad. Sch. of Kobe Univ.), Hiroaki ISHII (Grad. Sch. of Kobe Univ.), Wakana AZUMA (Grad. Sch. of Kobe Univ.), Keiko KURODA (Grad. Sch. of Kobe Univ.), Yusaku SASABE (P-T Research), Chinatsu HARA (Grad. Sch. of Kobe Univ.)</p>	<p>[G02-01] Local resource enhancement and the sex ratios *Ryosuke IRITANI (RIKEN iTHEMS), Stuart A WEST (オックスフォード大学), Jun ABE (明治学院大学)</p>	<p>[H02-01][EPAA] Changes of genetic structure and traits of a <i>Daphnia pulex</i> population during the establishment process: analysis of past dormant eggs *Yurie OTAKE (Univ. of Tokyo), Hajime OHTSUKI (Tohoku Univ.), Jotaro URABE (Tohoku Univ.), Yoshihisa SUYAMA (Tohoku Univ.), Ayumi MATSUO (Tohoku Univ.), Shun HIROTA (Tohoku Univ.), Hideki INNAN (SOKENDAI), Shigeko KIMURA (Univ. of Shiga prefecture), Kazuyoshi YAMADA (Waseda Univ.), Takehito YOSHIDA (RIHN. Univ. of Tokyo)</p>
<b>09:15</b>	<p>[A02-02] Effect of gap mosaic structure in mature forests on the species composition and production of shrubs *Yosuke TANIOKA, Mitsuru HIROTA (University of Tsukuba)</p>	<p>[B02-02] Do healthy host populations harbor diverse parasites? A test in the endangered crayfish and crayfish worms *Tomoko KONNO, Itsuro KOIZUMI (Hokkaido University)</p>	<p>[C02-02] Escaping behavior of Japanese eel "escape through the predator's gill" *Yuha HASEGAWA (Nagasaki Univ.)</p>	<p>[D02-02] Evolution of stealthy transmission in emerging coronaviruses *Ryuchi KUMATA (The Univ. of Tokyo), Masato SATO (The Grad. Univ. for Adv. Stu.), Akira SASAKI (The Grad. Univ. for Adv. Stu.)</p>	<p>[E02-02] What environmental factors affect gene flow among populations of an endemic frog, <i>Glandirana susurra</i>, in Sado Island? *Takumori R MIYU, Masashi SOGA, Yoko SAITO, Tadashi MIYASHITA, Kaoru T YOSHIDA (Univ. Tokyo)</p>	<p>[F02-02] Emission of methane from the stems of several Japanese tree species: variations between species and individuals, and within individuals *Daniel EPRON, Ayaka SAKABE (Kyoto University)</p>	<p>[G02-02][EPAA] Evolution of seasonal gene regulation by histone modifications *Haruki NISHIO (Kyoto Univ.), Atsushi J NAGANO (Ryukoku Univ.), Tasuku ITO (Kyoto Univ.), Yutaka SUZUKI (Univ. Tokyo), Hiroshi KUDOH (Kyoto Univ.)</p>	<p>[H02-02][EPAA] Temporal <math>\beta</math>-diversity reveals the temporal scale difference in factors regulating zooplankton community structures: an example in a small lake *Ishara Uhanie PERERA, Natsumi MARUOKA, Wataru MAKINO, Jotaro URABE (Tohoku University)</p>
<b>09:30</b>	<p>[A02-03] History of <i>Cryptomeria japonica</i> forests in Japan *Hikaru TAKAHARA (Kyoto Prefectural University)</p>	<p>[B02-03] Genetic structure of Sika deer populations at the forefront of distribution using mtDNA and nDNA analysis *YAMADA SHIHO (Tsukuba Univ.), Junco NAGATA (FFPR), Yoshiaki TSUDA (Tsukuba Univ.), Ayumi MATSUO (Tohoku Univ.), Akane KATO (Tsukuba Univ.), Shingo KANEKO (Fukushima Univ.), Hiroshi TAKAHASHI (Tohoku, FFPR), Takuya AIKAWA (Tohoku, FFPR), Yoshihisa SUYAMA (Tohoku Univ.), Yoshihiko TSUMURA (Tsukuba Univ.)</p>	<p>[C02-03] Foraging of the goby <i>Chaenogobius annularis</i> in response to artificial diets: effect of experience and conspecific individuals *Satoshi WADA (Hokkaido University)</p>	<p>[D02-03][B] Forecasting outbreak and evolutionary shifts of COVID-19 pandemic *Akira SASAKI (SOKENDAI, IIASA)</p>	<p>[E02-03] Benthic animal community of the tidal flat "Otomo-ura" that had been restored by the Great East Japan Earthquake but lost due to reclamation. *Masatoshi MATSUMASA (Iwate Medical Univ.), Hirokazu ABE (Iwate Medical Univ.), Kotaro KAN (Iwate Medical Univ.), Kyoko KINOSHITA (Tohoku Univ.), Takeshi YUHARA (Tohoku Univ.), Hisaya MURAYAMA (Japan Wildlife Res. Center), Hiroka HIDAKA (Japan Wildlife Res. Center), Takao SUZUKI (Res. Inst. Benthos, Michinoku)</p>	<p>[F02-03] Effects of measurement errors on the growth estimation from repeated measurements *Takashi S. KOHYAMA (Wageningen University), Tetsuo I. KOHYAMA (Hokkaido University, JWRC), Douglas SHEIL (Wageningen University)</p>	<p>[G02-03][EPAA] Multiple paths to the same goal: the repeated use of hotspot genes for convergent plate reduction in sticklebacks *Yo YAMASAKI (National Institute of Genetics), Tomoyuki KOKITA (Fukui Prefectural University), Koki KATO (Tokyo Institute of Technology), Asato IRIFUNE (Tokyo Institute of Technology), Mitsuki KURODA (Hokkaido University), Hiroshi TAKAHASHI (National Fisheries University), Yoshiyasu MACHIDA (Bihoro Museum), Asano ISHIKAWA (National Institute of Genetics), Mikiko TANAKA (Tokyo Institute of Technology), Seichi MORI (Gifu Kyoritsu University), Atsushi TOYODA (National Institute of Genetics), Jun KITANO (National Institute of Genetics)</p>	<p>[H02-03] Trophic interactions between crustacean zooplankton and phytoplankton: reanalysis of dietary data using bipartite graph and network analysis *Tsyoshiy KOBAYASHI (NSW Dept. Plan. Ind. &amp; Env.), ILWS, Charles Sturt Univ.)</p>
<b>09:45</b>	<p>[A02-04][B] Variation in growth temperature of alpine dwarf pine <i>Pinus pumila</i> along an altitudinal gradient in Tukuringra mountains, Russian Far East *Naoya WADA (Univ. Toyama), Semyon V. BRYANIN (IGNM RAS), Victor V. LISOVSKY (Zeyzsky Nature Reserve)</p>	<p>[B02-04] Demographic inference in medaka populations using whole-genome sequencing data *Shingo FUJIMOTO, Ryosuke KIMURA (University of the Ryukyus)</p>	<p>[C02-04] Environmental and Genetic Factors Related to the Development of Large Jawedness in Larvae of salamander <i>Hynobius nigrescens</i>. *Takatoshi MURAKAMI (Niigata Univ. Fac. of Agr.), Yosuke NAKANO (Tadami Beech Center.), Harue ABE (Sado Isl.Ctr.for Ecol.Sustain.)</p>	<p>[D02-04] The game theory model of resource competition between individuals and associational resistance by acquired resources in plants *Yutaro SEGAWA (Kyoto Univ.)</p>	<p>[E02-04] Butterfly protection through collaboration of legislation, government and citizens' activities *Ken NAMBA (Osaka University)</p>	<p>[F02-04][EPAA] Winter leaf reddening phenomenon: the long-term track of PRI and phenology changes in a temperate Japanese cypress forest at Kiryu Japan *Siyu CHEN (Kyoto University), Yoshiko KOSUGI (Kyoto University), Linjie JIAO (Kyoto University), Tatsuro NAKAJI (Hokkaido University), Hibiki NODA (NIES), Kouki HIKOSAKA (Tohoku University), Kenlo Nishida NASAHARA (University of Tsukuba)</p>	<p>[G02-04][EPAA] Speciation along a latitudinal gradient: The origin of the Neotropical cycad sister pair <i>Dioon sonorense-D. vovidesii</i> (Zamiaceae) *Jose GUTIERREZ-ORTEGA (Chiba Univ.), Francisco MOLINA-FREANER (Inst. of Ecol., UNAM), Jose MARTINEZ (Inst. of Ecol., UNAM), Miguel Angel PEREZ-FARRERA (UNICACH), Andrew P. VOYDES (Inst. of Ecol. A.C.), Antonio HERNANDEZ-LOPEZ (ENES, UNAM), Ayumi TEZUKA (Ryukoku Univ.), Atsushi J. NAGANO (Ryukoku Univ.), Yasuyuki WATANO (Chiba Univ.), Yuma TAKAHASHI (Chiba Univ.), Masashi MURAKAMI (Chiba Univ.), Tadashi KAJITA (Univ. of the Ryukyus)</p>	<p>[H02-04][EPAA] Untangling lineages of freshwater copepods having a broad geographical range: The cases of <i>Cyclops vicinus</i> and <i>C. kikuchii</i>. *Imane SIOUD, Wataru MAKINO, Jotaro URABE (Tohoku University)</p>
<b>10:00</b>	(Break)	(Break)	(Break)	(Break)	(Break)	(Break)	(Break)	(Break)

Mathematical ecology

# Oral presentations March 18 (Thu) 10:15-11:15

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**[B]** Bilingual presentation: Presentation slides or poster will be prepared in English or Japanese with English subtitles

Time	Room A Plant community	Room B Animal population	Room C Behavior	Room D Mathematical ecology	Room E Conservation	Room F Plant ecophysiology / Plant population <b>E</b>	Room G Evolution <b>E</b>	Room H Biodiversity <b>E</b>
<b>10:15</b>	<p><b>[A02-05][B]</b> Biomass and NPP of 75 years old <i>Larix sibirica</i> forest in Khentii region, North Eastern Mongol *Tetsuoh SHIROTA (Shinshu Univ.), Dai SAITO (Freiburg Univ.), Koh YASUE (Shinshu Univ.), Ayumi T ODA (Shinshu Univ.), Yojiro MATSUURA (For. Res. and Manage. Org.), Soronzonbold BAYARBAATAR (Shinshu Univ.), Nachin BAATARBILEG (National Univ. of Mongolia), Sukhbaatar GERELBAATAR (National Univ. of Mongolia)</p>	<p><b>[B02-05]</b> Multi-omics analysis of non-additive ecological functions of genetic diversity *Takahisa UENO, Yuma TAKAHASHI (Grad. Sci., Chiba Univ.)</p>	<p><b>[C02-05]</b> Do polarotaxis and diel activity patterns explain the diving behavior of mantis infected by hairworms? *Nasono OBAYASHI (Kobe Univ.), Yasushi IWATANI (Hiroaki Univ.), Midori SAKURA (Kobe Univ.), Satoshi TAMOTSU (Nara Women's Univ.), Takuya SATO (Kobe Univ.)</p>	<p><b>[D02-05]</b> Stochastic phenomena due to evolution or keystone species in a synthetic ecosystem of 12 species microorganisms *Kazufumi HOSODA (Osaka Univ.), Shigeto SENO (Osaka Univ.), Naomi MURAKAMI (Osaka Univ.), Yutaka OSADA (FRA), Hideo MATSUDA (Osaka Univ.), Michio KONDOH (Tohoku Univ.)</p>	<p><b>[E02-05]</b> The increasing serious effects of neonicotinoid pesticides on endangered aquatic insects *Haruki KARUBE (Kanagawa Prefectural Museum), YUTAKA KAMEDA (Chiba Institute of Technology)</p>	<p><b>[F02-05][EPAA]</b> Seasonal variations in photosynthetic functions of the urban landscape tree species <i>Ginkgo biloba</i> *Tomomitsu KINOSHITA (Kyoto Institute of Technology), Yuko T. HANBA (Kyoto Institute of Technology), Atsushi KUME (Kyushu University)</p>	<p><b>[G02-05][EPAA]</b> Purging of heterospecific genome in the 2011 tsunami-created hybrid stickleback populations *Takuya K. HOSOKI (National Institute of Genetics, SOKENDAI), Seichi MORI (Gifu Kyoritsu Univ.), Manabu KUME (Kyoto Univ.), Atsushi J. NAGANO (Ryukoku Univ.), Hiyu KANBE (National Institute of Genetics, SOKENDAI), Ryo KAKIOKA (Ryukyu Univ.), Kenta NAKAMOTO (Univ. of Tokyo), Yuki HINO (Univ. of Tokyo), Masafumi KODAMA (Univ. of Tokyo), Satoki OBA (Univ. of Tokyo), Yamasaki Y YO (National Institute of Genetics), Jun KITANO (National Institute of Genetics, SOKENDAI)</p>	<p><b>[H02-05]</b> Use of environmental DNA metabarcoding for seasonal riverine fish assemblage patterns along invasive macrophyte overgrowth *Seiji MIYAZONO, Takao KODAMA, Yoshihisa AKAMATSU, Ryohei NAKAO, Satsuki TSUJII (Yamaguchi University)</p>
		<p><b>Animal reproduction</b></p>	<p><b>Biodiversity</b></p>		<p><b>Ecosystem management</b></p>			
<b>10:30</b>	<p><b>[A02-06][B]</b> Inter-species comparison of genetic diversity across the Mongolian grassland communities *Naohiro ISHII (Yokohama National Univ.), Masaya TAKAHASHI (Tohoku Univ.), Yu YOSHIIHARA (Mie Univ.), Nyambayar DASHZEV (National Univ. of Mongolia), Tserendejid AYUSH (National Univ. of Mongolia), Yoshihisa SUYAMA (Tohoku Univ.), Takehiro SASAKI (Yokohama National Univ.)</p>	<p><b>[B02-06][B]</b> Females have a very particular habit of refractory period in West Indian sweet potato weevil. *Chihiro HIMURO (Ryukyu Sankei Co., Ltd., Okinawa Pref. Plant Prot. C, Univ. of Ryukyus), Atsushi HONMA (Ryukyu Sankei Co., Ltd., Okinawa Pref. Plant Prot. C, Univ. of Ryukyus), Yusuke IKEGAWA (Ryukyu Sankei Co., Ltd., Okinawa Pref. Plant Prot. C, Univ. of Ryukyus), Norikuni KUMANO (Obihiro Univ. of AVM)</p>	<p><b>[C02-06][B]</b> Geographic variation or character displacement? Signature of inter-specific interaction in the genitalia of coastal weevils *Kei MATSUBAYASHI (Kyushu University)</p>	<p><b>[D02-06][B]</b> Species diversity under colonization process with a trade-off: Model and test *Atsushi YAMAUCHI (Kyoto Univ.), Koichi ITO (Univ. of British Columbia), Shota SHIBASAKI (Univ. of Lausanne)</p>	<p><b>[E02-06][B]</b> Community structure change of Satoyama forests in an university campus *Seikoh SEKIKAWA, Ryosuke TAKAKURA, Akane IWAGAMI, Shiori IKENO, Mitsutoshi TOMOTSUNE (Tamagawa University)</p>	<p><b>[F02-06][EPAA]</b> Difference in the climate factors between reconstructed annual leaf productions and stem radial increments in <i>Picea mariana</i>, evergreen conifer. *Tomoko TANABE, Masako DANNOURA (Kyoto Univ.)</p>	<p><b>[G02-06][EPAA]</b> Evolution and functional divergence of pigmentation gene melanocortin-1 receptor (MC1R) in seven allopatric <i>Macaca</i> species in Sulawesi island *Xiaochan YAN (PRI, Kyoto Univ.), Kanthi Arum WIDAYATI (Bogor Agricultural Univ.), Laurentia Henrieta Permita Sari PURBA (Bogor Agricultural Univ.), Fahri BADJEBER (Tadulako Univ.), Yohey TERAJ (Grad. Univ. of Adv. Studies), Bambang SURYOBROTO (Bogor Agricultural Univ.), Hiroo IMAI (PRI, Kyoto Univ.)</p>	<p><b>[H02-06][EPAA]</b> Variability of dung and soil characteristics in Japanese dairy farms and its impact on greenhouse gas emissions *Chidozie Johnson ORAEBGUNAM, Akari Kimura, Chikae Tatsumi, Yoshitaka Uchida (Hokkaido University)</p>
<b>10:45</b>	<p><b>[A02-07]</b> The effects of temporal continuity of grasslands on plant communities: the historical value of vegetation on dam walls of farm dams *Issui TAKIZAWA (MSC, Univ. Tsukuba), Taiki INOUE (MSC, Univ. Tsukuba), Seiji KAWAMOTO (MSC, Univ. Tsukuba), Masaru KAMIKURA (MSC, Univ. Tsukuba), Takeharu SEKI (MSC, Univ. Tsukuba), Yuka YAMAMOTO (MSC, Univ. Tsukuba), Hiroki SAKAMOTO (MSC, Univ. Tsukuba), Mihoko KAWAKAMI (Association of Someya's forest), Tanaka KENTA (MSC, Univ. Tsukuba)</p>	<p><b>[B02-07]</b> Male-female and male-male interspecific sexual interactions: a case study in two spined loaches *Kiyohito MORII, Kana AMINO, Koh-Ichi TAKAKURA (The Univ. of Shiga Pref.)</p>	<p><b>[C02-07][B]</b> Effect of plant-flower visitor interactions based on functional trait on seed productivity: evidence from a plant removal experiment *Taiki TACHIBANA (Yokohama National Univ.), Kei UCHIDA (The University of Tokyo), Xiaoming LU (Chinese Academy of Sciences), Xuezheng ZHAO (Chinese Academy of Sciences), Issei NISHIMURA (Yokohama National Univ.), Yongfei BAI (Chinese Academy of Sciences), Takehiro SASAKI (Yokohama National Univ.)</p>	<p><b>[D02-07]</b> Community Formation through Habitat Modification *Gen IWASHITA, Michio KONDOH (Tohoku Univ.)</p>	<p><b>[E02-07]</b> The Influences of Landscape Structure on the Insect community in Urban Green Spaces *Seiichiro OHATA, Takeshi OSAWA (Tokyo Metropolitan Univ.)</p>	<p><b>[F02-07][EPAA]</b> Effects of soil sterilization on seedling survival and growth of <i>Ardisia crenata</i> *Yishen CHEN, Kaoru KITAJIMA (Kyoto University)</p>	<p><b>[G02-07]</b> Heterospecific mating interactions as an interface between ecology and evolution *Daisuke KYOGOKU (Mus Nat Hum Act.), David WHEATCROFT (Stockholm Univ)</p>	<p><b>[H02-07][EPAA]</b> Effect of host tree's size and taxa on the distribution of vascular epiphytes in a Bornean lowland tropical forest *Natsuki KOMADA (Kyoto Univ.), Akira NAKANISHI (Kyoto Univ.), Shuichiro TAGANE (Kagoshima Univ. Museum), Usun SHIMIZU-KAYA (Shimane Univ.), Paulus MELENG (Forest Department Sarawak), Runi Sylvester PUNNGGA (Forest Department Sarawak), Takao ITTOKA (Kyoto Univ.), Mamoru KANZAKI (Kyoto Univ.)</p>
<b>11:00</b>	<p><b>[A02-08]</b> A review on the empirical tests of the modern coexistence theory *Naoto SHINOHARA (University of Tokyo), Masato YAMAMICHI (The University of Queensland)</p>	<p><b>[B02-08]</b> Spatial variation in egg sac transparency of Japanese Black Salamander according to elevation gradient *Kento EGUCHI, Yusuke UENO (Ishikawa Prefectural Univ.)</p>	<p><b>[C02-08][B]</b> Spatial variation in climate modifies effect of functional diversity on biomass dynamics in natural forests across Canada *Masumi HISANO (The University of Tokyo, Lakehead University), Han Y. H. CHEN (Lakehead University)</p>	<p><b>[D02-08][B]</b> Persistence of intraguild predation in a productive environment II: Focusing on conversion efficiency *Toshiyuki NAMBA (Osaka Prefecture University)</p>	<p><b>[E02-08]</b> Unravelling landscape structure that is less likely to occur wild boar damage to paddy rice *Hiroki MATSUMURA (CAFRC)</p>	<p><b>[F02-08][EPAA]</b> Analysis of seasonal plasticity and determinants of leaf longevity in a perennial herb, <i>Arabidopsis halleri</i>. *Genki YUMOTO (Kyoto Univ. CER), Haruki NISHIO (Kyoto Univ. CER), Tomoaki MURANAKA (Kyoto Univ. CER, Kagoshima Univ. Fac. of Agr.), Jiro SUGISAKA (Kyoto Univ. CER), Mie N HONJO (Kyoto Univ. CER), Hiroshi KUDOH (Kyoto Univ. CER)</p>		<p><b>[H02-08]</b> Difficulties in estimating predation pressure: limitations and caveats in using sentinel plasticine prey in ecological studies *Akihiro NAKAMURA (Chinese Academy of Sciences, XTBG), Thilina S. NIMALRATHNA (Chinese Academy of Sciences, XTBG)</p>





# Oral presentations March 19 (Fri) 16:30-17:45

[B] Bilingual presentation: Presentation slides or poster will be prepared in English or Japanese with English subtitles

Time	Room A Fungi and microbes	Room B Animal-plant interaction	Room C Introduced species	Room D	Room E Material cycling	Room F	Room G	Room H
16:30	<p>[A03-09][B] Mutualistic interspecific interactions through energy production reactions *Mayumi SETO (Nara Women's University)</p>	<p>[B03-09] Changes in the populations of <i>Hyppipetes amaurotis</i> feeding on mistletoe (<i>Viscum album</i>) fruit depending on whether or not Waxwings flying in. *Takehiro OGATA (Kindai Univ.), Takuo SAWAHATA (KINDAI Univ.)</p>	<p>[C03-09] Do an invasive wasp species compete for prey resources with a native congener? *Misaki TSUJII (Kobe Univ.), Tomoji ENDO (Kobe Coll.), Shinji SUGIURA (Kobe Univ.)</p>		<p>[E03-09] Relative importance of oceanic and terrestrial matter inputs into sandy beach ecosystems revealed by a triple stable isotope approach *Naoto SHIOZAWA (Tohoku Univ. Life Sci.), Takeshi YUHARA (Tohoku Univ. Life Sci.), Chikage YOSHIMIZU (Res. Inst. Humanity and Nature), Ichiro TAYASU (Res. Inst. Humanity and Nature), Jotaro URABE (Tohoku Univ. Life Sci.)</p>			
16:45	<p>[A03-10] Fungal succession involved in the decomposition of <i>Camellia rusticana</i> leaf litter –Roles of endophytic fungi and interspecies interaction– *Takahito HOTTA (Niigata Univ., SadoIsl.Ctr.forEcol.Sustain.)</p>	<p>[B03-10][B] Quantifying external seed dispersal by terrestrial mammals using camera trap data in a Japanese cedar plantation, central Japan *Shumpei KITAMURA, Takuya TERASHIMA (Ishikawa Pref. Univ.)</p>	<p>[C03-10][B] From research to implementation – collaborative countermeasures for an invasive ant newly established in Okinawa, <i>Lepisiota frauenfeldi</i> *Masashi YOSHIMURA (OIST), Mayuko SUWABE (OIST), Kazuki TSUJI (University of the Ryukyus), Yosuke BABA (SC Environmental Science), Hiroshi KAKAZU (Naha City), Masako OGASAWARA (OIST), Jumpei UEMATSU (Kagoshima University), Evan P ECONOMO (OIST), Koji ONO (Ministry of the Environment)</p>		<p>[E03-10] Transfer of <sup>137</sup>Cs from forest areas to living areas through the food web in Fukushima ecosystems *Minato KAKUMA (Kyoto Univ.), Masashi MURAKAMI (Chiba Univ.), Naoto NIHEI (Fukushima Univ.), Toshihiro WADA (Fukushima Univ.), Takahiro TATSUNO (Fukushima Univ.), Takuya KAWAI (Kyoto Univ.), Nobuhito OHTE (Kyoto Univ.)</p>			
17:00	<p>[A03-11] Comparison of fungal community compositions in leaves of closely related grasses *Yuki HATANO (Doshisha University), Shunsuke MATSUOKA (University of Hyogo), Motohiro HASEGAWA (Doshisha Univ.), Takashi OSONO (Doshisha Univ.)</p>		<p>[C03-11] Effect of the Alien plant species <i>Podocarpus nagi</i> on soil microarthropod communities *Hiro KASAI (Grad. Sch., Kindai Univ.), Takuo SAWAHATA (Kindai Univ.), Harumi TORII (Nara Kyoiku Univ.)</p>		<p>[E03-11] Effect of typhoon Hagibis on bacterial communities in the Chikuma River *Kenji TSUCHIYA (NIES), Ayato KOHZU (NIES), Kimio HIRABAYASHI (Shinshu University)</p>			
17:15	<p>[A03-12] Comparison of ligninolytic enzyme activities between bleached and nonbleached areas of leaf litter in subtropical and temperate forests *Kohei TABUCHI (Doshisha University), Shunsuke MATSUOKA (University of Hyogo), Motohiro HASEGAWA (Doshisha Univ.), Takashi OSONO (Doshisha Univ.)</p>		<p>[C03-12][B] Exotic weeds flowering in spring are mainly from Europe: relationship between flowering phenology and geographic origins of weeds community in Japan. *Noriko MARUYAMA, Saneyuki KAWABATA, Yuya FUKANO (The University of Tokyo)</p>		<p>[E03-12] Impact of land use in the basin on the quality of river water flowing into Lake Furen, Hokkaido *Akiharu SASAKI (Hokkaido University)</p>			
17:30					<p>[E03-13][B] Phosphorus loss caused by food supply in Japan *Shinichiro MISHIMA (NARO)</p>			