

14. Programme (英文プログラム)

Lecture for the Encouragement Prize of the Mammalogical Society of Japan

Sunday, September 19

Room: Hall

12:45~13:05 PL-1 Nozomi Nakanishi (University of the Ryukyus)
Ecological study on the Iriomote cat based on long-term data accumulation.

The Mammalogical Society Prize Lecture

Sunday, September 19

Room: Hall

13:05~14:05 PL-2 Hisashi Abe
Taxonomy of insectivores and rodents, in connection with the convergence of guild composition in their regional communities – Phylogenetical taxonomy of insectivores and rodents based on the ecological and geographical variations –.

(Break 14:05~14:20)

Open Joint Symposium: Sociological and ecological use of wildlife and biological diversity

Sunday, September 19

Room: Hall

14:20~14:25 S-0 Opening Address.
Masatsugu Suzuki (Gifu University)

14:25~14:40 S-1 Including wildlife in sustainable and ecosystem management of natural resources.
Tsuyoshi Yoshida (Rakuno Gakuen University)

14:40~15:10 S-2 Wildlife resource management and conservation of biodiversity.
Hiroyuki Matsuda (Yokohama National University),
Jun Akamine (Nagoya City University)

15:10~15:40 S-3 Ecotourism and wildlife conservation, its possibility and risk.
Yurie Kaizu (Bunkyo University)

15:40~15:50 (Break)

15:50~16:20 S-4 Ideal way of sustainable use of wildlife.
Hidenori Kusakari (WWF Japan)

16:20~16:50 S-5 'Recognition of the benefits of trade in wildlife' at CITES, reflecting outcomes of CoP15.
Nobuo Ishii (Tokyo Woman's Christian University)

16:45~17:20 Comments and General Discussion

Workshops

Saturday, September 18 9:30–11:15

- Room O1 (E-100) F-01 Estimating population size of bears: Effectiveness and issue of DNA markers for individual identification.
Chair: Masaaki Yoneda (Japan Wildlife Research Center), Tsutomu Mano (Hokkaido Research Organization)
- Room O2 (B-101) F-02 Build the capacity of wildlife management from research to coordination.
Chair: Masahito Yoshida (Tsukuba Univ.), Mayumi Yokoyama, Katsuya Suzuki (Wildlife Management Research Center, Hyogo)
- Room O3 (B-102) F-03 Asian researchers' network for mammal species diversity.
Chair: Masaharu Motokawa (Kyoto Univ. Museum), Yuta Shintaku (Dept. Zool., Kyoto Univ.)
- Room O4 (B-103) F-04 Impacts on endangered bats due to construction of New Ishigaki Airport.
Chair: Nobuo Ishii (Tokyo Woman's Christian Univ.), Akira Sano (Mie Pref. Gov.)
- Room O5 (E-102) F-05 Change from population management to ecocracy, a case of otters and wolves.
Chair: Tsuyoshi Inoue (Japan Wolf Association)
- Room O6 (E-101) F-06 Recent research on Tokudaia.
Chair: Takamichi Jogahara (Fac. Sci., Okayama Univ. Sci.), Fumio Yamada (Forestry & For. Prod. Res. Inst.)

Saturday, September 18 19:00–20:45

- Room O1 (E-100) F-07 Save Japanese hunters from extinction!
Chair: Hiromasa Igota (Rakuno Univ.), Yukiko Matsuura (FFPRI)
- Room O2 (B-101) F-08 How does the food availability affect on the habitat use of Japanese black bears?
Chair: Koji Yamazaki (Ibaraki Nature Museum), Shinsuke Koike (Tokyo Noko Univ.)
- Room O3 (B-102) F-09 Toward information sharing on wildlife and traffic issues.
Chair: Yushin Asari (Chodai Co., Ltd.), Takane Shikano, Misako Noro (DEC), Yoshiki Yamada (Docon Co., Ltd.)
- Room O4 (B-103) F-10 How to find a niche for ourselves in survey, research and administration, which related to the wildlife management.
Chair: Shigeki Hirata (Nagasaki Pref., ex Tottori Pref.), Yuuji Kodera (Utsunomiya Univ.)
- Room O5 (E-102) F-11 Towards the establishment of the regional-scale monitoring system of wildlife in Tohoku.
Chair: Hidetoshi Tamate (Yamagata Univ.), Hideo Higashi (Institute of Mammal)
- Room O6 (E-101) F-12 Let's enjoy specimens combined with the secondary source.
Chair: Nozomi Kurihara (National Museum of Nature and Science)

Monday, September 20 9:15–11:00

- Room O1 (E-100) F-13 Study room for sampling design and statistical analysis: open discussion on case studies.
Chair: Masashi Kiyota (Nat. Res. Inst. Far Seas Fish.), Norio Takahashi (Nat.

Res. Inst. Far Seas Fish.), Yayoi Kaneko (Tokyo Univ. Agr. Tech.)

- Room O2 (B-101) F-14 Population Management of Sika deer for Biodiversity.
Chair: Shin'ichiro Hamasaki (WMO), Toru Koizumi (FFPRI), Kiyoshi Yamauchi (I-RIEP)
- Room O3 (B-102) F-15 Katachi no Gakko 15.
Chair: Hideki Endo (Univ. Mus., Univ. Tokyo)
- Room O4 (B-103) F-16 Study on diversity of the masked palm civet.
Chair: Ryuichi Masuda (Hokkaido Univ.)
- Room O5 (E-102) F-17 Tasks of conflict resolution between kuril seal conservation and fisheries from view point of regional communities and fisheries economy.
Chair: Kazuo Wada (Pinnipeds Research Group of Japan)
- Room O6 (E-101) F-18 Movement, foraging and nesting of gliding mammals.
Chair: Yushin Asari (Chodai Co., Ltd.)

Monday, September 20 13:00-14:45

- Room O1 (E-100) F-19 Toward construction of the Integrated Wildlife Management System.
Chair: Masae Saito, Shinsuke Koike, Koichi Kaji (Tokyo Univ. of Agri. and Tech.)
- Room O2 (B-101) F-20 Sika deer impacts on Biodiversity – "Irreversible impact" on the current situation and solution –.
Chair: Ryota Araki (Japan Wildlife Research Center), Noriko Yokoyama (Wildlife Management Office)
- Room O3 (B-102) F-21 Let's submit your researches to "Mammal Study"!
Chair: Ryuichi Masuda (Hokkaido Univ.)
- Room O4 (B-103) F-22 Works of Mitoshi Tokuda, a mammalogist and evolutionary biologist.
Chair: Satoshi D. Ohdachi (ILTS, Hokkaido Univ.)
- Room O5 (E-102) F-23 Current status of Japanese monkey population management and future tasks.
Chair: Kunio Watanabe (Kyoto Univ), Kunihiro Tokida (JWRC), Hiroto Enari (Utsunomiya Univ)
- Room O6 (E-101) F-24 Re-evaluation for Redlist of Japanese Insectivora.
Chair: Yasushi Yokohata (Grad. Sci. Eng., Univ. Toyama), Shin-ichiro Kawada (Natn. Sci. Mus.), Junji Moribe (Dept. Oral Anat., Asahi Univ. Sch. Dent.)

Monday, September 20 15:00-16:45

- Room O1 (E-100) F-25 Can nature interpreters facilitate local conservation activities?
Chair: Ryoto Tomita (Shizuoka Univ.), Satoko Sekine (Nature Guide)
- Room O2 (B-101) F-26 He thinks to catch shell-fish in the trees. - Learning from failure examples, the countermeasure against the agricultural damage.
Chair: Yuuji Kodera (Utsunomiya Univ.), Hiroto Enari (Utsunomiya Univ.)
- Room O3 (B-102) F-27 Great cormorant issues in the Lake Biwa.
Chair: Akiko Sudo (Eaglet Office Inc.)
- Room O4 (B-103) F-28 A meeting on the present status and improvements for the practices of wildlife biology.
Chair: Seiki Takatsuki (Azabu Univ.), Motokazu Ando (Tokyo Univ. of Agri.)

Oral Presentations

Saturday, September 18 14:00–18:30 (Break: 16:15–16:30)

Room O1 (E-100)

- 14:00** O1-01 Capture of the Japanese dormouse in the Kikuchi Valley, Kumamoto Prefecture, Kyusyu, Japan.
○ Aiko Ohno¹, Masatoshi Yasuda², Akio Inoue¹ (¹Kumamoto Pref. Univ., ²FFPRI-Kyusyu)
- 14:15** O1-02 Evaluation of controll effect of electric vibrator for lesser Japanese mole (*Mogera imaizumii*).
Hiroshi Ohno, ○Yasushi Yokohata (Grad. Sch. Sci. Eng., Univ. Toyama)
- 14:30** O1-03 The techique for selective captuing the large wild boar by the box trap.
○Naoko Matsuda¹, Kousuke Niibe², Yukihiko Yano², Tetsuya Maruyama¹, Jun Nakatani³ (¹NPD Tochigi Pre Gov, ²Tochigi Pre CPMO, ³NARC)
- 14:45** O1-04 Smaller cage for shipping and disposing the wild boar captured by the box trap.
○ Naoko Matsuda¹, Kousuke Niibe², Yukihiko Yano², Tetsuya Maruyama², Jun Nakatani³ (¹NPD Tochigi Pre Gov, ²Tochigi Pre CPMO, ³NARC)
- 15:00** O1-05 Relation estimated population density using camera and feces density.
○Hiroyuki Tado¹, Takuo Hironaga², Noboru Koeda¹, Eiji Hosoi³ (¹Agriculture and Forestry General Engineering Center Management Technique Research Lab, ²Yamaguchi Agriculture and Forestry Office, ³Yamaguchi Universty Faculty of Agriculture)
- 15:15** O1-06 Features of new technologies for capturing deer.
○ Go Abe^{1,2}, Hiroshi Sakata^{1,2}, Akira Taguchi², Masayoshi Nagamoto³, Youichi Kitagawa³, Tetsuya Matsumoto³, Yasuyuki Muroyama^{1,2} (¹University of Hyogo, ²Hyogo Wildlife Management Research Center, ³Hyogo Prefectural Institute of Technology)
- 15:30** O1-07 The exclusion method of male ezo-deer in live capture operation by corral trap.
○ Yasuyuki Tachiki, Hideto Mukai, Koji Matsumoto, Rika Akamatsu (EnVision Conservation Office)
- 15:45** O1-08 An identification method for Asiatic black bears by using white chest marks.
○Daishi Higashide¹, Shingo Miura², Hideo Miguchi³, Toshiki Aoi⁴ (¹Niigata Univ., ²Waseda Univ., ³Niigata Univ., ⁴Iwate Univ.)
- 16:00** O1-09 Individual information on Japanese black bear that lives in Hyogo Hyunosen that used hair trap method.
○Yoshiki Morimitsu¹, Erina Saita², Sachiko Nakamura³, Mayumi Yokoyama⁴ (¹ University of Hyogo Wildlife Management Research Center, ² Hyogo Wildlife Management Research Center, ³University of Hyogo Wildlife Management Research, ⁴University of Hyogo Wildlife Management Research)
- 16:30** O1-10 Efficiency of capturing deer in Nishiokoppe Special Hunting Area.
○Hiromasa Igota¹, Yukiko Matsuura² (¹Rakuno Gakuen Univ, ²Forestry and forest product research institute)
- 16:45** O1-11 Do Ussurian tube-nosed bats hibernate in snow?
○Hirofumi Hirakawa, Dai Fukui (Forestry and Forest Products Research Institute)

- 17:00** O1-12 Estimation of ovulation probability of the Japanese black bear (*Ursus thibetanus japonicus*).
○Atsushi Yamanaka¹, Kiyoshi Yamauchi², Tsunenori Tsujimoto³, Toshio Mizoguchi⁴, Toru Oi⁵, Seigo Sawada⁶, Michito Shimozuru¹, Toshio Tsubota¹ (¹Graduate School of Veterinary Medicine, Hokkaido Univ., ²Research Institute for Environmental Science and Public Health of Iwate Pref., ³Morioka Zoological Park, ⁴Fukushima Wildlife Rehabilitation Center, ⁵Forestry and Forest Products Research Institute, ⁶Shimane Pref. Mountainous Region Research Center)
- 17:15** O1-13 Relative growth of skull in male sperm whales, with an indication of sexual dimorphism.
○ Ryoko Zenitani, Hidehiro Kato (Tokyo University of Marine Science and Technology)
- 17:30** O1-14 Frequency of abnormal bone in black bear from East-chugoku and North-kinnki population.
○ Mayumi Yokoyama¹, Erina Saita², Yoshiki Morimitsu¹, Sachiko Nakamura² (¹Univ.Hyogo, ²Wildfife Manage.Center)
- 17:45** O1-15 Morphological evolution of extant sika deer molars with reference to wear and hypsodonty.
○Mugino Ozaki Kubo¹, Seiki Takatsuki², Gen Suwa¹ (¹Tokyo Univ., ²Azabu Univ.)
- 18:00** O1-16 Phylogeny of superficial forearm flexor and interpretation of forearm flexors of mammals.
○Tadasu K. Yamada (Nat.l Mus. Nat. Sci.)

Room O2 (B-101)

- 14:00** O2-01 A comparison of food habits of sika deer and Japanese serow at Mt. Yatsugatake, central Japan.
○Seiki Takatsuki, Kento Kobayashi (Azabu University)
- 14:15** O2-02 Composition of Water Soluble Carbohydrate in Apple.
○Norio Tokita¹, Shin-ichi Hayama², Kentaro Umeda², Shoji Matsumura³ (^{1,2}Nippon Veterinary and Life Science Univ., ³Tokyo Univ. of Agriculture and Technology)
- 14:30** O2-03 Long movement of black bears in autumn in Shirakawa region.
○Rina Sugiura¹, Makoto Kato¹, Yukinori Uchiyama², Toshiaki Suzuki², Momoko Koga², Fumi Hishiki², Makoto Asano³, Haruki Kato⁴, Kenichirou Shimatani⁵, Hiroshi Hashimoto², Yasuaki Niizuma² (¹Meijo Univ., ²Meijo Univ., ³Gifu Univ., ⁴FESS., ⁵ISM.)
- 14:45** O2-04 Effect of yearly fluctuations in nut production on appearance of Japanese black bear.
○Atsuyuki Katahira (Gunma prefectural forestry experiment station)
- 15:00** O2-05 Food habit of asiatic black bears (*Ursus thibetanus*) in the Shirakawa village region, Gifu Prefecture.
○Makoto Kato¹, Rina Sugiura¹, Yukinori Uchiyama¹, Toshiaki Suzuki¹, Momoko Koga¹, Aya Hishiki¹, Haruki Kato², Hiroshi Hashimoto¹, Yasuaki Niizuma¹ (¹Meijo Univ., ²TOYOTA Shirakawa-Go Eco-Institute)
- 15:15** O2-06 Verification of diet difference by sex and growth stages in northern fur seals based on long-term stomach content data.
○Masashi Kiyota¹, Shiroh Yonezaki¹, Norihisa Baba² (¹Nat. Res. Inst. Far Seas Fish., ²Seikai Regional Fish. Res. Inst.)
- 15:30** O2-07 Non-lethal techniques for diet estimation of pinnipeds: their potential and limitations.
○Shiroh Yonezaki¹, Masashi Kiyota² (¹National Research Institute of Far Seas

Fisheries, FRA, ²National Research Institute of Far Seas Fisheries, FRA)

- 15:45** O2-08 Foraging area distribution of the Common Japanese Pipistrelle Bat at Kumagaya City, Saitama, Japan.
○Hitoshi Wakabayashi (Rissyou Univ.)
- 16:00** O2-09 Acorn use by wood mice after wintering season revealed by estimation of tannin intake.
○Takuya Shimada¹, Eriko Nishii², Takashi Saitoh³, Akiko Takahashi⁴, Mitsue Shibata¹ (¹FFPRI Tohoku, ²Hokkaido Univ., ³Hokkaido Univ. FSC, ⁴Tokyo Metropolitan Univ.)
- 16:30** O2-10 Roadkills of raccoon dogs and its life history events as background factors: the facts assessed from the age structure.
○Takafumi Tatewaki, Seiki Takatsuki (Azabu Univ.)
- 16:45** O2-11 Information analysis on raccoon invasion in Shiretoko Peninsula.
○Tohru Ikeda, Ken-ichiro Shimada (Hokkaido Univ.)
- 17:00** O2-12 Food habits and reproductive activity of the invasive small Indian mongoose on Kyushu Islnd, Japan.
○Kimitake Funakoshi¹, Ayumi Nagasato¹, Hajime Yamasita¹, Aika Arai¹, Shigeru Okada², Katsunori Shioya², Kanji Tamai³ (¹The Int. Univ. of Kagoshima, ²The Foun. of Env. Research and Service, ³Kagoshima City Zool. Gardens)
- 17:15** O2-13 The mongoose management on Amami-oshima Island and recoveries of native animals.
○Yuya Watari¹, Satoshi Nagumo², Shingo Kubo², Fumio Yamada³, Shintaro Abe⁴ (¹FFPRI JSPS, ²Kagoshima International Univ., ³FFPRI, ⁴Ministry of the Environment)
- 17:30** O2-14 Distribution of wild boars' field sign in Ashikaga City, Tochigi Prefecture.
○Akiko Shibasaki¹, Kazuki Suda² (¹Graduate school of Rissho Univ., ²Rissho Univ.)
- 17:45** O2-15 Hand-Rearing of a Finless Porpoise in Omura Bay.
○Hitoshi Nakano, Masayuki Komaba, Hisako Ikeda, Kumiko Komaba, Mayumi Deki, Akihiro Kawakubo (Kujyu Kushima Aquarium)
- 18:00** O2-16 Analysis of Kuril harbor seal behavior around a small fixed shore net in Akkeshi Bay, eastern Hokkaido, Japan.
○Yumi Kobayashi¹, Mari Kobayashi^{2,3}, Yukiko Watanabe⁴, Yasunori Sakurai¹ (¹Hokkaido University, ²Tokyo University of Agriculture, ³Marine Wildlife Center of Japan, ⁴IRBJ)

Room O3 (B-102)

- 14:00** O3-01 The origin of the last Asian black bear in Kyushu Island.
○Naoki Ohnishi¹, Yoshiki Yasukochi² (¹Forestry and Forest Products Research Institute, ²The Graduate University for Advanced Studies)
- 14:15** O3-02 Historical review of Japanese monkey conservation.
○Kazuo Wada (NPO Primate Agora Biomedical Institute)
- 14:30** O3-03 Assessment of natural selection in the genetic variation of Tshb gene of the Japanese hare, *Lepus brachyurus*.
○Mitsuo Nunome¹, Harumi Torii², Rikyu Matsuki³, Ghotu Kinoshita⁴, Fumio Yamada⁵, Hitoshi Suzuki⁴, Yoichi Matsuda¹ (¹Nagoya Univ., ²Nara Univ. of Education, ³CRIEPI, ⁴Hokkaido Univ., ⁵FFPRI)
- 14:45** O3-04 Rediscussion of the Japanese badger social structure-Overlay analysis between spatial organization and genetic distance in Hinode, Tokyo.
○Yayoi Kaneko¹, Eiji Kanda², Sara Tashima³, Ryuichi Masuda³, Chris Newman⁴,

David W. Macdonald⁴ (¹Tokyo University of Agriculture and Technology, ²Tokyo Wildlife Center, ³Hokkaido University, ⁴University of Oxford)

- 15:00** 03-05 Microsatellite cross-amplification in 5 Caprinae species: application in population diversity studies.
○Junghwa An, Kyung-Seok Kim, Mi-sook Min, Hang Lee (Conservation Genome Resource Bank for Korean Wildlife (CGRB) and Research Institute for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul, Korea)
- 15:15** 03-06 Molecular phylogeny, divergence time, and biogeography of mustelids inferred from 10 genetic loci.
○Jun J. Sato¹, Mieczyslaw Wolsan², Francisco J. Prevosti³, Guillermo D'Elia⁴, Colleen Begg⁵, Keith Begg⁵, Tetsuji Hosoda⁶, Kevin L. Campbell⁷, Hitoshi Suzuki⁸ (¹Dept. Biotech. Fukuyama Univ., ²Polish Academy of Sciences, ³Mueso Argentino de Ciencias, ⁴Universidad de Concepcion, ⁵South Africa, ⁶Wakayama Taikyu High School, ⁷University of Manitoba, ⁸Hokkaido Univ.)
- 15:30** 03-07 Genetic analysis of the sika deer population on Miyajima Island, Hiroshima, Japan.
○Shoko Tamanaha¹, Eiji Hosoi², Yoh Ihara³, Hidetoshi Tamate⁴ (¹Yamaguchi Univ., ²Yamaguchi Univ., ³Hiroshima Environment & Health Association, ⁴Yamagata Univ.)
- 15:45** 03-08 Recruitment rate of sika deer population in eastern Hokkaido.
○Hiroyuki Uno (Inst. of Env. Sci., Hokkaido Research Organization)
- 16:00** 03-09 Cost of pregnancy and nursing for female Sika deer on Kinkazan Island.
○Masato Minami¹, Nobumasa Oonishi², Naoko Higuchi³, Ayumi Okada⁴, Seiki Takatuki¹ (¹Azabu Univ., ²Eco-Planning Research, ³NPO Earthworm, ⁴Kitasato Univ.)
- 16:30** 03-10 Analyses of species composition of seashore and shallow sea biota in Ishikawa and Toyama Prefectures, against environmental pollution over broad area.
Shizue Terasaki¹, ○Yasushi Yokohata² (¹Fac. Edu., Toyama Univ., ²Grad. Sci. Eng., Univ. Toyama)
- 16:45** 03-11 Echinococcus infection rate among red foxes and swine.
○Kohji Uruguchi, Kenichi Takahashi (Hokkaido Institute of Public Health)
- 17:00** 03-12 Possibility for distribution of Yezo sika deer meat considered from a result of consumer survey.
○Fumitaka Kasai, Takayoshi Masuko, Risaku Kitahara (Tokyo University of Agriculture)
- 17:15** 03-13 Residents' attitudes and behaviors toward Asiatic black bear and management policy in the North Tajima region of Hyogo prefecture.
○Ryo Sakurai¹, Gouhei Ueda², Susan Jacobson¹ (¹University of Florida, School of Natural Resources and Environment., ²Hyogo Prefectural Government Toyo-oka Agricultural & Forestry Office)
- 17:30** 03-14 Red-headed Wood Pigeon PHVA Workshop and its Conservation Effects.
○Kazuo Horikoshi (Institute of Boninology)
- 17:45** 03-15 Launch of bat monitoring project 'iBats-Japan'.
○Dai Fukui¹, Kate E. Jones² (¹FFPRI, ²Zoological Society of London.)

Sunday, September 19 9:00-10:15

Room O1 (E-100)

- 9:00** 01-17 Development of the computer-based movement simulator for wild mammals.
○Toshitaka Iwamoto¹, Masatoshi Denda², Junji Miwa², Tsuyoshi Takeshita³, Kouji

Shiraishi⁴ (¹Univ. Miyazaki, ²Public Works Research Inst., ³Hokkaido Univ.,
⁴Assoc.Tokyo Credit Bank)

9:15 O1-18 Validity of methods for population estimation using multiple indices - Evaluation of the model using dummy data-.
○Yasutaka Kishimoto^{1,2}, Daisuke Fujiki^{1,2}, Hiroshi Sakata^{1,2} (¹Univ. Hyogo, ²Wildlife Management Research Center, Hyogo)

9:30 O1-19 Utility of hunter observation, harvest and road-kill surveys as proxies for moose (*Alces alces*) density in Norway.
○Mayumi Ueno^{1,2}, Erling Johan Solberg³, Hayato Iijima⁴ (¹Hokkaido Institute of Environmental Sciences, ²Field Science Center, Hokkaido Univ., ³Norwegian Institute for Nature Research, ⁴Yamanashi Forest Research Institute)

9:45 O1-20 Habitat selection of Megascolecidae earthworms.
○Satomi Onuma¹, Masamichu Ito², Kazuki Suda¹ (¹Grad Risho Univ., ²Surugadai Univ., ³Risho Univ.)

10:00 O1-21 Metapopulation Structure of Threatened Reverdin's Blue.
○Michihito Watanabe (Kawaguchiko Field Center)

Room O2 (B-101)

9:00 O2-17 Life of tiger, life of human: History of the relationship between tigers and humans in Korea.
Myung-sun Chun¹, Dong-jin Kim², Jeong-eun Lim³, Mi-sook Min¹, Tae-sop Cho⁴, Jin-gi Cheon⁵, Won-oh Choi⁶, Chang-yong Choi⁷, Hyun-myung Choi⁸, ○Hang Lee¹
(¹Conservation Genome Resource Bank for Korean Wildlife and Research Institute for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul, Korea, ²Korea National University of Education, ³Wildlife Conservation Society, ⁴Yonsei University, ⁵The National Folk Museum of Korea, ⁶Korea University, ⁷Korea National Park Service, ⁸Korea Tiger & Leopard Conservation Fund)

9:15 O2-18 Distribution of wild mammals, hunting harvest, and crop damages in central Kyushu in 1875.
○Masatoshi Yasuda, Hiroshi Kondoh (FFPRI-Kyushu)

9:30 O2-19 Distribution patterns of mammals in the Jomon period, middle Edo period, and the present, in the Japanese Archipelago.
○Riyu Tsujino, Eriko Ishimaru, Takakazu Yumoto (Research Institute for Humanity and Nature)

9:45 O2-20 Relationship of human and mammals from the Jomon period to the present in the Japanese Archipelago.
○Eriko Ishimaru, Riyu Tujino, Takakazu Yumoto (Research Institute for Humanity and Nature)

10:00 O2-21 Biogeography in the Holocene from animal remains — The possibility of archaeozoology in Japan—.
○ Takeshi Yamazaki (Nara National Research Institute for Cultural Properties, Environmental Archaeology Laboratory)

Room O3 (B-102)

9:00 O3-16 Distribution of Freshwater turtles in Mie prefecture.
○Mari Taniguchi, Naoki Kamezaki (Kobe-Suma Aquarim)

9:15 O3-17 Trends of Loggerhead turtle nesting in Japan.
○Naoki Kamezaki^{1,2}, Yoshimasa Matsuzawa^{1,2}, Kazuyoshi Omuta³, Hiroshi Takeshita²,

Kiyoshi Goto² (¹Kobe-Suma Aquarim., ²Sea Turtle Association of Japan., ³Yakushima Umigame-kan)

- 9:30** 03-18 Depredation of loggerhead sea turtle nests by raccoons.
○Yoshimasa Matsuzawa^{1,2} Kiyoshi Goto³, Takafumi Sugiyama¹ (¹Sea Turtle Assoc. Japan, ²Suma Aqualife Park, ³Minabe Sea Turtle Res. Group)
- 9:45** 03-19 Proposition of Interpretive Planning for Wildlife Educator.
○Takeshi Kobayashi (Teikyo Univ. of Science)
- 10:00** 03-20 Demographics and change of birth rates of a crop-raiding Japanese macaque.
○Aya Yamada¹, Ayako Takano², Katsuya Suzuki³, Yasuyuki Muroyama³ (¹WeNARC, ²Nara Univ. Edu., ³Univ. Hyogo, Wildlife Management Research Center)

Poster Presentations

Saturday, September 18 Core time: 13:00–14:00

Sunday, September 19

Monday, September 20 Core time: 11:15–12:15

Room P1 (B-21)

- P-001 Heterochrony and modularity of cranial ossification sequence in eulipotyphlan mammals.
○Daisuke Koyabu^{1,2}, Marcelo Sanchez-Villagra³, Senichi Oda⁴, Kazuhiro Koyasu⁵, Motokazu Ando⁶, Hideki Endo² (¹Univ. Tokyo, ²Univ. Tokyo, ³Univ. Zurich, ⁴Okayama Univ. Sci., ⁵Aichi Gakuin Univ., ⁶Tokyo Univ. Agr.)
- P-002 White-belted coloration in a mole-shrew, *Urotrichus talpoides*, from Aichi, Japan.
○Junji Moribe¹, Kensuke Yasui², Noritoshi Inagaki³, Ryuta Watanabe¹, Kazuhiko Satoh¹, Yasutoku Kogaya¹, Sadakazu Ejiri¹ (¹Dept. Oral Anat., Asahi Univ. Sch. Dent., ²Toyohashi Mus. Nat. Hist., ³Hagi elem. sch.)
- P-003 Do Moles Have Higher Metabolic Rate ?
○Atsushi Kashimura¹, Yoshinobu Ohkubo², Akio Shinohara³, Kimiyuki Tsuchiya⁴, Toshihiro Takahashi¹, Tetsuo Morita¹ (¹Fac. Agric., Univ. Miyazaki, ²Grad. Sch., Agric. Engineer., Univ. Miyazaki, ³Frontier Sci. Res. Ctr., Univ. Miyazaki, ⁴Applied Biology, Co., Ltd.)
- P-004 Mechanism of compensation for the temporalis reduction in greater Egyptian jerboas, *Jaculus orientalis*.
○Kazuhiko Satoh¹, Junji Moribe¹, Ryuta Watanabe¹, Yasutoku Kogaya¹, Kin-ya Kubo², Sadakazu Ejiri¹ (¹Asahi Univ., ²Seijo Univ.)
- P-005 Relationships between coprophagy and protein nutrition in pregastric hindgut fermenters rat-like hamsters, *Tscherskia triton*.
○Hiroki Shichijo¹, Yuji Kondo², Toshihiro Takahashi³, Tetuo Morita³ (¹Interdiscipl. Grad. Sch. Agric. Engineer. Univ. Miyazaki, ²Grad. Sch. Agric. Univ. Miyazaki, ³Fac. Agric. Univ. Miyazaki)
- P-006 Roles of the forestomach in the utilization of phytate phosphorus by rat-like hamsters *Tscherskia triton*.
○Yuji Kondo¹, Hiroki Shichijo², Shunsuke Mori¹, Toshihiro Takahashi³, Tetsuo Morita³ (¹Grad. Sch. Agric. Univ. Miyazaki, ²Interdiscipl. Grad. Sch. Agric. Engineer. Univ. Miyazaki, ³Fac. Agric. Univ. Miyazaki)
- P-007 Effects of day length, ambient temperature and cohabitation on daily torpor in the small Japanese field mouse.

- Yoshinobu Okubo¹, Chihiro Koshimoto², Toshihiro Takahashi³, Tetsuo Morita³ (¹Grad. Sch. Agric. Engineer. Univ. Miyazaki, ²FSRC Univ. Miyazaki, ³Agric. Univ. Miyazaki)
- P-008 Interspecific variation of hindlimb morphology associated with aquatic locomotion among mustelids (mammalia; carnivora).
○Kent Mori¹, Satoshi Suzuki², Daisuke B. Koyabu¹, Jumpei Kimura³, Hideki Endo⁴ (¹Grad. Sci., Univ. Tokyo., ²Dept. Zoology., Grad. Sch. Sci., Kyoto Univ., ³Laboratory of Veterinary Anatomy., College of Veterinary Medicine. Seoul National Univ. Seoul, Korea., ⁴Univ. Museum. Univ. Tokyo)
- P-009 Effect of external factors in molting of the Japanese marten.
○Ayumi Nagasato¹, Kimitake Funakoshi², Kanji Tamai³ (¹The Int. Univ. of Kagoshima, ²The Int. Univ. of Kagoshima, ³Kagoshima City Zool. Gardens)
- P-010 Gastrointestinal tract pH and passage time of feed to apply to Mongoose.
○Seiya Ono¹, Go Ogura¹, Kei Obata¹, Doncan Macmorran², Paul Aylett², Lee Shapiro², Sugoto Roy³ (¹Ryukyu Univ. ²Conovation Limitd (NZ), ³Central Science Laboratory (UK))
- P-011 Variation of skull morphology in five raccoon dog subspecies.
○Sang-In Kim^{1,2}, Young Jun Kim¹, Kaarina Kauhala³, Hang Lee¹, Mi-Sook Min¹, Junpei Kimura² (¹Conservation Genome Resource Bank for Korean Wildlife (CGRB), ²Laboratory of Veterinary Anatomy and Cell Biology, College of Veterinary Medicine, Seoul National University, Seoul, South Korea, ³Finnish Game and Fisheries Research Institute, Turku, Finland)
- P-012 Patterns of morphological evolution in mammalian molars as dietary adaptations.
○Masakazu Asahara¹, Motokawa Masaharu² (¹Kyoto Univ., ²Kyoto Univ.)
- P-013 Reproductive characteristics of male raccoons in Wakayama Prefecture and Hokkaido.
○Yukiko Kato¹, Kazuo Suzuki², Daisuke Hayakawa³, Makoto Asano¹, Masatsugu Suzuki¹ (¹Lab. Zoo and Wildlife Medicine, Gifu Univ., ²Hikiwa Park Center, Tanabe City, ³Wanpark Kochi Animal Land, Kochi City)
- P-014 Dental abnormalities in feral raccoon (*Procyon lotor*): Extra roots and root fusion.
○Keiko Sone¹, Takeshi Fujitani^{2,3}, Kazuhiro Koyasu¹, Haruo Nakagaki¹, Sen-ichi Oda⁴ (¹School of Dentistry, Aichi-Gakuin Univ., ²Nagoya Higashiyama Zoo, ³Graduate School of Natural Sciences, Nagoya City Univ., ⁴ Faculty of Science, Okayama Univ. of Science)
- P-015 Effect of mixed feed on ranging behavior of Japanese Black Bear.
○Masaaki Koganezawa¹, Marisa Murata¹, Tetsuya Maruyama², Nahoko Matsuda² (¹Utsunomiya Univ., ²Tochigi Pref.)
- P-016 Reproductive status of male and female Tsushima leopard cats in captivity based on the changes in fecal gonadal steroid hormone concentrations.
○Yuki Yoshizaki¹, Itsuki Adachi¹, Satoshi Kusuda¹, Yukari Tomioka², Kirito Matsui², Kotouge Takuya³, Yuki Akiba³, Eiji Nagao⁴, Satoshi Nagano⁴, Makoto Kawaguchi⁵, Yurina Shinguu⁵, Hanae Yamamoto⁵, Hideo Satou⁶, Toshio Tsubota⁷, Osamu Doi¹ (¹Gifu Univ., ²Yokohama Zoo, ³Toyama Family Park, ⁴Fukuoka Zoo, ⁵Tsushima Wildl. Consev. Center, ⁶Preserv. Res. Center, ⁷Hokkaido Univ.)
- P-017 The relationship between sex skin swelling and urinary steroid hormones in captive female chimpanzees.
○Mariko Kawai¹, Toshiyuki Matsushita², Masashi Ueno², Yusuke Sano², Shin Nishioka², Kazutoshi Takami², Masato Takeda², Hiroshi Kusunoki¹ (¹Graduate School of Agriculture, Kobe Univ., ²Osaka Municipal Tennoji Zoological Gardens)
- P-018 Congenital limb malformation in Kaminada troop of Japanese monkey on Awaji Island: Occurrence in recent years.
○Shinichi Yoshihiro¹, Toshikazu Nobuhara², Hisami Nobuhara² (¹Ryukoku University, ²Awajishima Monkey Center)

- P-019 Hair ultrastructure of Caprinae utilizing stuffed specimens.
○Manami Makara, Shin-ichiro Kawada (National Museum of Nature and Science)
- P-020 Skull morphology of Japanese Serow (*Capricornis crispus*), Formosan Serow (*Capricornis swinhoei*) and Korean goral (*Naemorhaedu caudatusraddeanus*).
○Yungkun Kim^{1,3}, Young Jun Kim², Hang Lee^{2,3}, Junpei Kimura¹ (¹Laboratory of Veterinary Anatomy and Cell Biology, College of Veterinary Medicine, Seoul National University, Seoul, Korea, ²Conservation Genome Resource Bank for Korean Wildlife (CGRB), Research Institute for Veterinary Science, ³BK21 program for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul, Korea)
- P-021 Uteroplacenta of Korean wild ruminant species.
○JoonHyuk Sohn¹, Young Jun Kim¹, Hang Lee¹, Peter Wooding² and Junpei Kimura¹ (¹College of Veterinary Medicine, Seoul National University, Seoul, Korea, ²College of Physiology, Development and Neuroscience, University of Cambridge, UK)
- P-022 The interrelationship between molar wear and eruption in the sika deer: a comparative study of wild populations.
○Mugino Ozaki Kubo¹, Koichi Kaji², Takahiro Ohba³, Eiji Hosoi⁴, Toru Koizumi⁵, Seiki Takatsuki⁶ (¹Tokyo Univ., ²Tokyo Univ. Agricul. & Technol., ³Shizuoka Pref., ⁴Yamaguchi Univ., ⁵FFPRI, ⁶Azabu Univ.)
- P-023 Genetic basis of morphological variations in the sika deer: A pseudo common garden experiment using individuals in zoo.
○Chisato Terada¹, Takashi Saitoh² (¹Hokkaido Univ., ²Hokkaido Univ.)
- P-024 Anatomical Features of the Guttural Pouch in Perissodactyla Species.
○Misato Hosojima¹, Hajime Taru², Hiroshi Ogawa³, Takashi Amano³, Hideki Endo⁴ (¹Grad. Agri., Univ. Tokyo, ²Kanagawa Prefectural Museum, ³Tokyo Univ. of Agriculture, ⁴Univ. Museum, Univ. Tokyo)
- P-025 How Cheetah Run -Kinematic Study of Body Balance-.
Megumi Goto¹, Takamitsu Tajima², Hajime Hirata², Naomichi Ogihara³, Tan Zhihua⁴, Wu Fend⁴, ○Naomi Wada¹ (¹Yamaguchi Univ. ²Honda R&D, ³Keio Univ. ⁴Shanghai Wild Animal Park)
- P-026 How Cheetah Run -Skelton-Muscle System-.
Megumi Goto¹, Mizuki Nakata¹, Takamitsu Tajima², Hajime Hirata², Naomichi Ogihara³, Ikebe Yusuke⁴, Azusa Satou⁴, Mutumi Kawata⁵, Satoshi Une⁵, Kazuhito Itamoto⁶, ○Naomi Wada¹ (¹Yamaguchi Univ. ²Honda R & D, ³Keio Univ. ⁴Akiyoshidai Safari Land, ⁵Osaka VR center, ⁶Yamaguchi Uni. Animal Center)
- P-027 How Cheetah Run -Duty Factor- .
○Megumi Goto¹, Takamitsu Tajima², Hajime Hirata², Naomichi Ogihara³, Naomi Wada¹ (¹Yamaguchi Univ. ²Honda R & D, ³Keio Univ.)
- P-028 Skull and growth and development on the spotted seal at Hokkaido.
○Hiromi Aoki¹, Mari Kobayashi^{1,2} (¹Tokyo Univ. of Agri, ²Marine Wildlife Center of JAPAN)
- P-029 Morphological comparison of respiratory organ between spotted seal and harbor porpoise.
○Yuichi Arai¹, Mari Kobayashi^{1,2} (¹Tokyo Univ. of Agri. Faculty of Bioindustry, ²Marine Wildlife Center of Japan)
- P-030 Growth and morphology of Steller sea lion fetuses.
○Manami Jono, Yumi Kobayashi, Taketoshi Asanuma, Toshio Tsubota, Yasunori Sakurai (Hokkaido Univ.)
- P-031 Foramina of the surfaces of vertebral body of Sirenia.
○Osamu Hoson (National Museum of Nature and Science)

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- P-032 Phylogenetic relationship among white-spotted charr in Chugoku region and influence of stocking.
○Eiji Hosoi¹, Sae Matsushima², Keisuke Shibata³, Mitsuru Toma⁴ (¹Yamaguchi Univ., ²formerly Yamaguchi Univ., ³Yamaguchi Univ., ⁴Yamaguchi Univ.)
- P-033 Changes in a breeding bird community over 40 years in a mixed forest in central Iwate.
○Yoshinori Suzuki¹, Masatoshi Yui², Ichiro Aoyama³, Mitsuhiro Nakamura⁴ (¹FFPRI-Tohoku, ²TORI, ³Tohoku Regional Forestry Office, ⁴FFPRI)
- P-034 Maternal Lineage and Genetic Diversity of Asian lesser white-toothed Shrews (*Crocidura shantungensis*) from Jeju Island, South Korea.
Sang-Hyun Han^{1,2}, Tae-Wook Kim³, Min-Ho Chang^{1,3}, Su-Gon Park⁴, Byoung-Soo Kim³, ○ Hong-Shik Oh^{1,4} (¹Science Educational Institute, Jeju National Univ., Jeju, South Korea, ²Mirae Biotech Co. Seoul, South Korea, ³Department of Biology, Jeju National Univ., Jeju, South Korea, ⁴Faculty of Science Education, Jeju National Univ., Jeju, South Korea)
- P-035 A Molecular Genetic Study on a Recently Introduced Species, Wild Boar (*Sus scrofa coreanus*) Captured in Mt.Hallaon Jeju Island.
Sang-Hyun Han^{1,2}, Jang-Geun Oh³, In-Cheol Cho¹, Tae-Wook Kim², ○ Hong-Shik Oh^{2,4} (¹Subtropical Animal Experiment Station, National Institute of Animal Science, R.D.A., Jeju, South Korea, ²Science Educational Institute, Jeju National University, Jeju, South Korea, ³Institute of Environmental Resource Research, Jeju-do, South Korea, ⁴Department of Science Education, Jeju National University, Jeju, South Korea)
- P-036 The current Status of the Pinnipeds incidentally Caught in the East Coast of Korea and Their Conservation Measures.
Sang-Hyun Han^{1,2}, Tae-Wook Kim³, Min-Ho Chang^{1,3}, Su-Gon Park⁴, Byoung-Soo Kim³, ○ Hong-Shik Oh^{1,4} (¹Korea Institute of Environmental Ecology, Daejeon, Republic of Korea, ²Department of Science Education, Jeju National University, Jeju, Republic of Korea, ³Science Educational Institute, Jeju National University, Jeju, South Korea)
- P-037 Karyological diversity in genus *Euroscaptor* (Talpinae) from Vietnam.
○Shin-ichiro Kawada¹, Akifumi Nakata², Nguyen Truong Son³, Dang Ngoc Can³ (¹NSMT, ²Hirosaki Univ, ³IEBR)
- P-038 Genetic diversity analysis of Bent-winged bat (*Miniopterus schreibersii*) using nine microsatellites.
○Junghwa An¹, Sun-Suk Kim², Hang Lee¹ (¹Conservation Genome Resource Bank for Korean Wildlife (CGRB) and Research Institute for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul, Korea, ²Department of Biology, Kyung-Hee University, Seoul, Korea)
- P-039 Nematode parasites in skin of small bats in Hokkaido.
○Masahiko Sato¹, Hideo Hasegawa², Kishio Maeda³, Yoshiko Murayama⁴ (¹Rishiri Town Mus., ²Dept. Biol., Fac. Med., Oita Univ., ³Asian Bat Res. Inst., ⁴Do-hoku Branch Wild Bird Soc. Jpn.)
- P-040 Cranial and external measurements of *Apodemus peninsulae* in Hokkaido and Sakhalin in relation to the variation of intra- and interspecies.
○Yukibumi Kaneko (Sakaide, Kagawa Prefecture)
- P-041 Interspecific comparison of cranium shape of the genus *Apodemus* based on geometric morphometrics.
○Yuta Shintaku¹, Masaharu Motokawa² (¹Dep. Zoo., Grad Sch. Sci., Kyoto Univ., ²Kyoto Univ. Museum)
- P-042 Phylogeography of the Hokkaido mountain hare.
○Gohta Kinoshita¹, Mitsuo Nunome², Hirofumi Hirakawa³, Hitoshi Suzuki¹ (¹Hokkaido Univ., ²Nagoya Univ., ³FFPRI)

- P-043 Ontogeny of calcaneus and astragalus in Japanese monkey.
○Yu Okuda (Graduate School of Infomartics, Okayama University of Science)
- P-044 Utility investigation of genetic analysis using feces of sika deer.
○Shoki Yamazaki¹, Kazuya Nagai², Makoto Asano³, Masatsugu Suzuki³ (¹United Graduate School of vet. sci., Gifu Univ, ²Iwate Univ., ³Gifu Univ.)
- P-045 Estimate of hybridization mating and genetics characteristic of Japanese wild boar in Hyogo.
○Sachiko Nakamura, Yoshiki Morimitsu (Wildlife Management Research Center, Hyogo / University of Hyogo)
- P-046 Genetic structure of Hokkaido brown bears in the Shiretoko Peninsula and its surrounding areas.
○Hifumi Tsuruga¹, Tsutomu Mano¹, Masao Kohira², Masami Yamanaka², Shinsuke Kasai², Ryuichi Masuda³ (¹HRO-IES, ²Shiretoko Nature Foundation, ³Hokkaido Univ.)
- P-047 Subspecies taxonomic status of the Korean tiger (*Panthera tigris*).
Mu-Yeong Lee¹, Seo-Jin Lee¹, Jung Hwa An¹, Mi-Sook Min¹, Junpei Kimura², Kawada Shin-ichiro³, Nozomi Kurihara³, Warren Johnson⁴, ○Hang Lee¹ (¹Conservation Genome Resource Bank for Korean Wildlife, ²Laboratory of Veterinary Anatomy and Cell Biology, and Research Institute for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul, Korea, ³National Museum of Nature and Science, Tokyo, Japan; ⁴National Institute of Cancer, NIH, USA)
- P-048 Species identification and genetic composition of bottlenose dolphins (genus *Tursiops*) off the Torishima-Island in the Izu Islands inferred from mitochondrial DNA.
○A. Hayano¹, S. Koshima¹, M. Yoshioka², Y. Sekiguchi³, T. Morisaka⁴, M. Shirakihara⁵, M. Shinohara⁶, M. Kogi⁷, M. Sakai⁸, M. Amano⁹, T. Tobayama¹⁰, S. Uchida¹¹, H. Hamazaki¹², M. Nakamura¹³, M. Ryono¹⁴, R. Haraguchi¹⁵, T. Hishii⁷, K. Mori⁶ (¹Kyoto Univ., ²Mie Univ., ³Chiba Univ. of Commerce, ⁴Univ. of Tokyo, ⁵Toho Univ., ⁶Teikyo Univ. of Science, ⁷Mikurashima Tourist Info., ⁸Univ. of Tokyo, ⁹Nagasaki Univ., ¹⁰Kamogawa SW, ¹¹Okinawa Churaumi AQ, ¹²Amakusa DW, ¹³MW Umino-nakamichi, ¹⁴Kinosaki MW, ¹⁵Tokyo Univ. of A&T)
- P-049 Status of Ryukyu Flying Foxes (*Pteropus dasymallus*) in Batan Island, Philippine.
○Yushi Osawa, Keiko Osawa (The Bat Study and Conservation group of Japan)
- P-050 Postnatal growth and development in the Japanese northern bat, *Eptesicus japonensis Imaizumi*, at Norikura Plateau, Nagano Prefecture, Japan.
○Kyouji Koyanagi¹, Akiko Tsuji¹ and Terumasa Yamamoto² (¹The Society for the Conservation of Japanese northern bat, ²Tokikoryo High School)
- P-051 The study of order Chiroptera in JeJu Island, Korea.
○Park Su-Gon¹, Byung-Su, Kim^{2,3}, Min-Ho, Chang^{2,3}, Sang-Hyun, Han², Tae-Wook, Kim³, Hong-Shik, Oh^{1,2} (¹Dept. of Science Education, Jeju National Univ., Jeju, Korea, ²Science Educational Institute, Jeju National Univ., Jeju, South Korea, ³Dept. of Biology, Jeju National Univ., Jeju, Korea)
- P-052 Bat survey around three rivers (Mokoto r., Urashibetsu r., and Yambetsu r.) in the basis of Mt. Mokoto, Hokkaido ~Distribution of the bat by the environment and the altitude~.
○Shoutarou Sugai¹, Norihisa Kondo², Kousaku Souma³, Takayoshi Masuko⁴ (¹Tokyo Univ. of Agr., ²Nemuro Mus.Hist.Nat., ³Tokyo Univ. of Agr., ⁴Tokyo Univ. of Agr.)
- P-053 Characteristics of day-roost used by tube-nosed bat *Murina leucogaster*.
○Kanae Ono, Hisashi Yanagawa (Obihiro Univ. of Agriculture and Veterinary Medicine, Lab. of Wildlife Ecology)
- P-054 Birdlike noctule bats, *Nyctalus aviator*, used a building as the day-roost in Gifu City.
○Terumasa Yamamoto¹, Keiko Itou², Keiiti Kaziura³ (¹Gifu Pref. Tokikoryo High School, ²Gifu Univ., ³Mammal Study group of Gifu)

- P-055 Day roost and roost selection of Japanese long-eared bat, *Plecotus sacrimontis* inhabiting the forest of Nikko National Park, central Japan.
○Satoko Yoshikura¹, Masumi Watanabe², Sachiko Yasui³, Takashi Kamijo¹ (¹Tsukuba Univ., ²Former Tokyo Univ. of Agri. and Tech., ³Namiki Tsukuba Ibaraki)
- P-056 Development of bat survey techniques by using sensor cameras.
Kozue Ando, ○Motokazu Ando (Tokyo Univ. of Agriculture)
- P-057 Sexual dimorphism of Asian lesser white-toothed shrew *Crocidura shantungensis* from Jeju island, Korea.
○Tae-Wook, Kim¹, Byung-Su, Kim^{1, 3}, Min-Ho, Chang^{1, 3}, Sang-Hyun, Han³, Su-Gon, Park², Sang-Hoon, Han⁴, Hong-Shik, Oh^{2, 3} (¹Dept. of Biology, Jeju National Univ., Korea, ²Dept. of Science Education, Jeju National Univ., ³Science Educational Institute, Jeju National Univ., ⁴National Institute of Biological Resources, Korea)
- P-058 Circadian rhythm of the Japanese water shrew *Chimarrogale platycephala*.
○Ryusuke Fujimoto¹, Hiroshi Arai², Hiroshi Nakamura², Tatsuya Kato¹, Riki Shimazu¹, Motokazu Ando¹, Hiroshi Ogawa¹ (¹Lab. Wild Animals, Tokyo Univ. of Agriculture, ²Inokashira Park Zoo)
- P-059 Morphological variations of tail in the greater Japanese shrew-mole.
○Koichiro Shirai, Masahiro A. Iwasa (Grad. Sch. Bioresour. Sci., Nihon Univ.)
- P-060 The influence of light conditions on the circadian rhythm of captive moles.
○Moe Katsuura¹, Motokazu Ando¹, Hiroshi Ogawa¹, Kimiyuki Tsuchiya² (¹Lab. of Wild Animals, Tokyo Univ. of Agriculture, ²Applied Biology Co., Ltd)

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- P-061 Hibernation period of Japanese dormouse in heavy snowfall area.
○Yumena Nakamura¹, Nobuaki Kojo¹, Hideko Takenami², Hidetoshi Tamate³ (¹Yamagata Univ., ²Ooisawa natural museum, ³Yamagata Univ.)
- P-062 Effect of photoperiod and ambient temperature on the activity of Japanese dormouse.
○Naoko Oguma¹, Yosataka Deguti², Kazumi Suzuki³, Tunenori Tuzimoto³ (¹Iwate Univ., ²Iwate Univ., ³Morioka Zoological Park)
- P-063 Construction of the Habitat Suitability Index model of *Apodemus speciosus* considering on the substratum vegetation.
○Kouji Yoshida¹, Naohito Oohata¹, Makiko Aichi¹, Hisayoshi Terai¹, Motoyasu Minami¹, Kaoru Ueno¹, Takurou Odawara², Mamoru Nasu², Shigehiro Yokota², Soutarou Yonemura² (¹Graduate School of Bioscience and Biotechnology of Chubu University, ²Shimizu Corporation Institute of Technology)
- P-064 Geographical Variation of Tannin-tolerance in the Japanese Wood Mouse in Relation with the Distribution of Acorns.
○Kayoko Izumi¹, Takuya Shimada², Takashi Saitoh³ (¹Hokkaido Univ., ²FFPRI Tohoku, ³Hokkaido Univ. FSC)
- P-065 Variation in spring and fall breeding of *A. speciosus* : the effects of spatio-temporal resources.
○Shinsuke Sakamoto¹, Tadashi Suzuki², Akio Shinohara¹, Chihiro Koshimoto¹ (¹Univ. of Miyazaki, ²Tokyo Metro. Univ.)
- P-066 Home range size, activity and nest of Okinawa spiny rat.
○Norihiro Kawachi^{1, 2}, Makoto Iwasaki^{1, 2}, Katsushi, Nakata², Tomoyuki Komastu², Fumio Yamada³ (¹Yachiyo-eng Co., Ltd, ²Okinawa Spiny Rat Research Group, ³FFPRI)
- P-067 Study of the ecology of forest small rodents in Yamaguchi Prefecture using nest boxes.
○Higashi Kanako¹, Tanaka Hiroshi², Hosoi Eiji¹ (¹Yamaguchi Univ., ²Yamaguchi Museum)

- P-068 The home range size and the repetition rate of female Japanese squirrels in Iwate.
○Chiaki Nishi¹, Yoshitaka Deguchi², Toshiki Aoi² (¹The United Graduate School of Agricultural Sciences, Iwate Univ., ²Faculty of Agriculture, Iwate Univ.)
- P-069 A season change of the *Juglans mandshurica* use of a Japanese squirrel, *Sciurus lis* in Takamatsu Park, Morioka, Iwate.
○Ayaka Kamimizu¹, Nayuta Isogai¹, Rena Takahashi¹, Chiaki Nishi², Hirokazu Takahashi², Yoshitaka Deguchi¹ (¹Faculty of Agriculture, Iwate Univ. ²Graduate School of Agriculture, Iwate Univ.)
- P-070 Cones of Yezo spruce consumed by the Eurasian red squirrel in natural forest of Hokkaido, Japan: how 41, 000 cone explain the actual condition?
○Isao Izumi¹, Masaki Matsui², Tatsuo Oshida¹, Yoshihiro Hayashi³ (¹Laboratory of Wildlife Ecology, Obihiro University of Agriculture and Veterinary Medicine, ²The University Forest in Hokkaido, The University of Tokyo, ³Graduate School of Agriculture and Life Sciences, The University of Tokyo)
- P-071 Nest site selection of Japanese flying squirrels (*Pteromys momonga*) in the Tanzawa Mountains.
○Kei Suzuki^{1,2}, Tatsuki Shimamoto³, Yoko Takizawa⁴, Hiromi Kamigaichi⁵, Hisashi Yanagawa^{1,2}, Motokazu Ando³ (¹Iwate Univ., ²Obihiro Univ., ³Nihon Univ., ⁴NPO Kanagawa Forest Instructor Association, ⁵Tokyo Univ. of Agriculture)
- P-072 Comparison of litter size and offspring's sex allocation in the Siberian flying squirrel *Pteromys volans orii* between different reproductive seasons: implication of seasonal difference in reproductive strategy.
○Asuka Hayashi¹, Manami Suzuki¹, Ami Kato^{1,2}, Masaki Matsui³, Kazunobu Iguchi³, Takumi Okahira³, Tatsuo Oshida¹ and Yoshihiro Hayashi⁴ (¹Laboratory of Wildlife Ecology, Obihiro University of Agriculture and Veterinary Medicine, ²Kiyosato Educational Experiment Project (present address), ³The University Forest in Hokkaido, The University of Tokyo, ⁴Graduate School of Agriculture and Life Sciences, The University of Tokyo)
- P-073 Comparison of ecological traits between Malayan flying lemur and Japanese giant flying squirrel living in secondary nature.
○Minoru Baba¹, Kazumitsu Kinjo², Atsushi Nakamoto³, Masako Izawa⁴, Boedi⁵, Teruo Doi⁶ (¹Kitakyushu Mus. at. Hist. Hum. Hist., ²Okinawa Int. Univ., ³Univ. Ryukyus, ⁴Univ. Ryukyus, ⁵Mus. Zool. Bogor, ⁶Fukuoka City)
- P-074 Diurnal activity of the lactating flying squirrel monitored by video camera in the field.
○Mayumi Shigeta^{1,2}, Yuusuke Shigeta², Noriko Tamura¹ (¹FFPRI/Tama, ²Wildlife Management Company)
- P-075 Endozoochorous seed dispersal by sympatric mustelids, the Japanese marten and Japanese weasel, in western Tokyo, central Japan.
○Yamato Tsuji¹, Takafumi Tatewaki², Eiji Kanda³ (¹Primate Res. Ins. Kyoto Univ., ²Azabu Univ., ³Tokyo Wildl. Res. Ins.)
- P-076 Influences of a large-scale construction work assessed by analysis of feces for Japanese marten, *Martes melampus*.
○Shusei Arai¹, Takayuki Adachi², Yoshiko Kuwahara³ (¹Kyu. Dent. Col., ²Lab. Ap. Ecol. Tech., ³Lab. Ap. Ecol. Tech.)

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- P-077 Association analysis of food habits of the Iriomote cat *Prionailurus bengalensis iriomotensis*.
○Nozomi Nakanishi, Masako Izawa (Sci., Ryukyu Univ.)
- P-078 The Status of Feral Cats Appearance in Hatohama Area, Amami Island.
○Kazumi Shionosaki¹, Fumio Yamada², Shigeki Sasaki³, Yukihiro Morimoto¹ (¹GEGES Kyoto

Univ., ²FFPRI, ³YNU, ⁴GEGES Kyoto Univ.)

- P-079 Habitat use of raccoon dogs in the Imperial Palace, Tokyo.
○Takako Sako¹, Shin-ichiro Kawada², Makito Teduka³ (¹Imperial Household Agency, ²Dept. Zool., Natl. Mus. Nat. Sci., ³Filed Work Office)
- P-080 Food habit of the suburban raccoon dogs in Yamaguchi based on fecal analysis.
○Miki Aimoto¹, Hiroshi Tanaka², Eiji Hosoi³ (¹Yamaguchi Univ., ²Yamaguchi Museum, ³Yamaguchi Univ.)
- P-081 Do deer overabundance increase raccoon dogs? Effects of deer on the food resources and population of raccoon dogs.
○Yoshikazu Seki¹, Masaaki Koganezawa² (¹Tokyo Univ. Agri. Tech., ²Utsunomiya Univ.)
- P-082 Habitat selection by foxes and epidemiology of echinococcosis.
○Takako Ikeda, Ken Katakura, Yuuzaburo Oku (Parasitology Vet. Med. Hokkaido Univ.)
- P-083 Is it possible to identify individuals of meso-carnivores by their nose prints?
○Takahiro Murakami (Shiretoko Museum)
- P-084 Distribution of the raccoon and anatomical examination in Shimane Prefecture.
○Hiroki Kanamori, Yukihiro Takeshita, Seigo Sawada (Shimane prefectural Mountainous Region Research Center)
- P-085 Regional Comparison of food habits of raccoon (*Procyon lotor*) in Hyogo Prefecture.
○Takeru Fujii, Erina Saita, Mayumi Yokoyama (Wildlife Management Research Center, Hyogo)
- P-086 [Withdrawal]
- P-087 A Primary Study of the Introduction and Training Method for Alien Species Searching Dog -The Training of a Raccoon Searching Dog in Japan-
○Mariko Nakai¹, Kunihiro Yamashita², Shirow Tatsuzawa¹, Tohru Ikeda¹ (¹Hokkaido Univ, ²Karuizawa dog behavior)
- P-088 Assessment of a minimum number of microsatellite loci required for individual identification of Asian black bear in a local population.
○Reina Uno¹, Hidetoshi Tamate² (¹Keio Univ, ²Yamagata Univ.)
- P-089 Genetic variation of the personality-related dopamine D4 receptor (DRD4) gene in Asiatic black bear.
○Reika Shima¹, Reina Uno², Hidetoshi Tamate³ (¹Yamagata Univ., ²Institute of Advanced Biosciences., ³Yamagata Univ.)
- P-090 Annual changes in the autumnal behavior of the female Asiatic black bear in warm-temperate forest.
○Nobusuke Nishi¹, Fukuju Yamamoto² (¹Parks and Natural Environment Division Tottori Prefecture Government, ²Tottori Univ.)
- P-091 Relationship between Asiatic black bear behavior pattern, autumn food habits, and hard mast production.
○Shinsuke Koike¹, Koji Yamazaki², Takashi Masaki³, Yui Nemoto¹, Chinatsu Kozakai¹, Ami Nakajima¹, Yoshihiro Umemura¹, Koichi Kaji¹ (¹Tokyo Univ. Agr. and Tech., ²Ibaraki Nature Museum, ³FFPRI)

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- P-092 Differences in individual habitat selection and environmental factors.
○Chihiro Takahata¹, Shigeyuki Izumiyama² (¹Shinshu Univ., ²Shinshu Univ)

- P-093 A relationship between food habits and elevation used by Asiatic black bear in a rural area of Nagano Prefecture in summer.
○Kirara Kido¹, Sadanori Nishino², Akari Hamaguchi¹, Shigeyuki Izumiyama³ (¹Shinshu Univ., ²Tsuzuki corporation, ³Shinshu Univ.)
- P-094 Factors influencing bark stripping by black bear.
○Naoki Nakayama¹, Masaaki Koganezawa² (¹Utsunomiya Univ., ²Utsunomiya Univ. forest.)
- P-095 Near-real time tracking experiment by a GPS-ARGOS transmitter of a Japanese black bear in Tanzawa area.
○Tomoko Doko¹, Wenbo Chen², Hiromichi Fukui³, Tomohiro Ichinose³, Satoshi Osawa⁴, Yuji Ohgi³ (¹Keio Univ., JSPS Research Fellow, ²Keio Univ., ³Keio Univ., ⁴Nihon Univ.)
- P-096 Sex determination and individual identification of Asiatic Black Bear using hair-snagging method in Iwate Prefecture.
○Youhei Ogawa¹, Kiyosi Yamauti², Mami Kondou³, Sigekazu Kurakake⁴, Kazuei Matubara⁵ (¹Iwate Univ., ²Research Institute for Environment Sciences and Public Health of Iwate Prefecture., ³Gifu Univ., ⁴Research Institute for Environment Sciences and Public Health of Iwate Prefecture., ⁵Iwate Univ.)
- P-097 Potential food resources for Asiatic black bear in the alpine zone of Mt.Norikuradake -for determination of the cause of bear attack-.
○Kousuke Nakagawa¹, Chizuru Yayota², Hiroto Kawai¹, Yoshio Awaya¹, Makoto Asano¹, Masatsugu Suzuki¹ (¹Gifu Univ., ²FFPRI)
- P-098 Conception rate calculated by fetuses and histological observations of the ovaries about the Japanese Wild Boar in Hyogo prefecture.
○Tsuji Tomoka¹, Yokoyama Mayumi^{2,3}, Saita Erina², Asano Makoto¹, Suzuki Masatsugu¹ (¹The United Graduate School of Veterinary Sciences, Gifu University, ²Wildlife Management Research Center, Hyogo, ³University of Hyogo)
- P-099 Damage on different temperate grass species by wild boar.
○Hironori Ueda, Masateru Inoue, Yusuke Eguchi (WeNARC)
- P-100 Appearance of sika deer *Cervus nippon* in northern Tohoku, Japan.
○Nanae Nohara, Keisuke Okuda, Ayumi Okada, Naoki Miyazawa, Junji Shindo (Kitasato Univ.)
- P-101 Does snow limit deer locomotion?
○Kazuhiro Minamino¹, Nobuhiro Akashi² (¹HRO FRI Donan station, ²HRO FRI)
- P-102 Relation between habitat density of Japanese deer and soil hardness in Oku Nikko.
○Michio Otani, Masaaki Koganesawa (Utsunomiya Univ.)
- P-103 Dispersal of male sika deer in Kirigamine Plateau and Kawakami Village, Nagano.
○Akiko Takii¹, Shigeyuki Izumiyama², Takashi Mochizuki³ (¹Shinshu Univ. Graduate School, ²Shinshu Univ., ³Akatsuki Dobutsu Kenkyu-sho)
- P-104 Factors affecting winter food composition of sika deer in Nikko area.
○Takayuki Seto¹, Naoko Matsuda², Koichi Kaji¹ (¹Noko Univ., ²Tochigi Pref.)
- P-105 Does sika deer, *Cervus nippon*, avoid feces of various felids?
○Shingo Ohashi¹, Yoshitaka Deguchi¹, Hisayoshi Kofujita¹, Chiaki Nishi¹, Norihisa Segawa², Tsunenori Tsujimoto³, Mamoru Komatsu⁴, Noriya Saitou⁵, Kazuei Matsubara¹ (¹Iwate Univ., ²Iwate Prefectural Univ., ³Morioka Zoological park, ⁴Akita Omoriyama Zoo, ⁵Yokohama zoological gardens)
- P-106 Quantitative study for the female residence in the sika deer.
○Naoko Higuchi¹, Nobumasa Ohnishi², Masato Minami³ (¹NPO Earthworm, ²Ecological research

Center, ³Azabu Univ.)

- P-107 Nighttime spotlight census of Sika deer in intermountain grazing ground: It's monthly change and factors.
○Keisuke Ishikawa¹, Hideharu Tsukada¹, Masahiko Takeuchi², Norihiro Shimizu³, Tetsuya Ikeda¹, Yasuyuki Ide¹ (¹NILGS, ²NARC, ³KOUZU Daily Firm)
- P-108 Dynamics of sika deer around Kenmin-no-mori park area in Saitama prefecture.
○Miyoko Taniguchi¹, Atsushi Morita² (¹Chichibu Agriculture and Forestry Promotion Center, ²Saitama Prefectural Gov.)

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- P-109 Movement of Japanese macaque natural group using GPS tracking data.
○Kenichirou Furuta¹, Shigeyuki Izumiyama² (¹Shinshu Univ., ²Shinshu Univ.)
- P-110 Spatial evaluation of winter feeding site selection by Japanese monkeys in cool-temperate forests.
○Haruka Sakamaki¹, Hiroto Enari², Toshiki Aoi³ (¹UGAS Iwate univ., ²SSRC Utsunomiya Univ., ³Iwate univ.)
- P-111 Haul-out patterns of male harbour seals at Daikoku island, Akkeshi, Hokkaido.
○Zentaro Tamura¹, Mari Kobayashi^{1,2} (¹Tokyo University of Agriculture Faculty of Bioindustry, ²Marine Wildlife Center of Japan)
- P-112 Seasonal changes and pattern of individuals on Spotted seals in Sea of Japan, Hokkaido.
○Mio Kato¹, Yasuo Kono², Miyuki Ito³, Mari Kobayashi⁴ (¹Tokyo University of Agriculture Faculty of Bioindustry, ²Yagishiri free investigator, ³Bakkasu, ⁴Marine Wildlife Center of JAPAN)
- P-113 The seasonal change of individuals on the spotted seal in Notsuke and Lake Furen.
○Naotoshi Nakamura¹, Mari Kobayashi^{1,2} (¹Tokyo Univ. of Agri., ²Marine Wildlife Center of Japan)
- P-114 Seasonal change of the number and movement pattern of spotted seals in Rebun island.
○Mio Shibuya¹, Mari Kobayashi^{1,2} (¹Tokyo University of Agriculture, ²Marine Wildlife Center of Japan)
- P-115 Changes of distribution and sex ratio of Steller sea lion in Hokkaido.
○Akihiko Wada¹, Yoko Goto¹, Yumi Kobayashi², Takeomi Isono³, Kaoru Hattori³ (¹Wakkanai Fish. Exp. St., ²Hokkaido Univ., ³HNF)
- P-116 Patterns of migration and diving behavior of the spotted seals in the Sea of Japan around Hokkaido.
○Satoru Nishimoto¹, Mari Kobayashi^{1,2} (¹Tokyo Univ of Agri., ²Marine Wildlife Center of Japan)
- P-117 Possibility of Hybridism at wild habitat between the spotted seals and the harbor seals.
○Hajime Kotanagi¹, Yoshiaki Kikkawa², Mari Kobayashi^{2,3} (¹Mita jr high school, ²Tokyo Univ of Agri., ³Marine Wildlife Center of Japan)
- P-118 Vocal comparison of captive spotted seals and Harbor seals in nonbreeding season.
○Masahiro Kiuchi¹, Tomonari Akamatsu², Mari Kobayashi^{1,3} (¹Tokyo Univ. of agri., ²FRA, ³Marine Wildlife Center of Japan)
- P-119 Stranding records of Pinnipeds and their stomach contents in winter-spring in the south area of Hokkaido.
○Takanori Horimoto¹, Yoko Goto², Yoko Mitani³, Yumi Kobayashi¹, Yasunori Sakurai¹ (¹Hokkaido Univ. Graduate school of Fisheries science, ²Wakkanai Fisheries Research Inst., ³Hokkaido Univ. Field Science Center for Northern Biosphere)

- P-120 Possible impact of long-beaked common dolphins on finless porpoises in the mouth of Ise Bay.
○Nao Ozaki¹, Motoi Yoshioka¹, Masami Furuta² (¹Grad. Sch. Bioresources, Mie Univ., ²Toba Aquarium)
- P-121 Stranding record of the finless porpoise *Neophocaena phocaenoides* in eastern Mikawa Bay during 2002. 10 - 2007. 7.
○Nozomi Kurihara¹, Tatsuya Oike², Shin-ichiro Kawada¹, Kazuhiro Koyasu³, Sen-ichi Oda⁴ (¹National Museum of Nature and Science, ²Minami Chita Beachland, ³Sch. Dent., Aichi-Gakuin Univ., ⁴Fac. Sci., Okayama Univ. Sci.)
- P-122 Improvement of slaughtering method in dolphin drive fishery in Taiji, Wakayama Japan.
○Toshihide Iwasaki¹, Yoshifumi Kai² (¹F.R.A., ²Taiji Town F.C.U.)
- P-123 Bottlenose dolphins off the south coast of the Mainland of Japan can move across Kuroshio Current.
○Toshihide Iwasaki (Fisheries Research Agency)
- P-124 The distribution of small odontocetes with respect to the physiography of the North Pacific Ocean.
○Yu Kanaji¹, Makoto Okazaki², Hikaru Watanabe¹ (¹National Research Institute of Far Seas Fisheries, Fisheries Research Agency., ²National Research Institute of Fisheries Science, Fisheries Research Agency.)
- P-125 Diving behavior of a false killer whale determined by a Pop-up Archival Transmitting tag.
○Shingo Minamikawa, Hikaru Watanabe, Toshihide, Iwasaki (NRIFSF, FRA)

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- P-126 Fauna of small land mammals in Okayama Prefecture 3 -Trapping Results in the year 2010-.
○Ryota Morimitsu¹, Takashi Yokoyama², Hisao Egi³, Shuji Kobayashi⁴ (¹Graduate School of Informatics, Okayama Univ.of Science, ²Yachiyo Engineering Co., LTD., ³Nihon Total Science Inc., ⁴Dept. of Zoology, Faculty of Sience, Okayama Univ Science)
- P-127 Impact of Forest Degradation on Avifauna in Nagareyama City Chiba Prefecture.
○Yu Saito (Edogawa University)
- P-128 Response of wild mammals to a forest-urban landscape gradient.
○Masayuki Saito, Fumito Koike (Yokohama Nat. Univ.)
- P-129 Trial of removing a sprout by simple type tether grazing method of Japanese breed of cow.
○Sawada Seigo¹, Yukihiro Takeshita¹, Masaki Horie², Kazumi Tatewaki¹ (¹MRRC, ²Shimane West Agriculture and Forestry Promotion Center)
- P-130 The application of a cellular phone and GPS based telemetry system for wildlife use.
○Hansoo Lee¹; OunKyong Moon¹; Si-Wan Lee¹; Tea Han Kang¹; Dal Ho Kim¹; Hea Jin Cho¹; Hong-Shik Oh² (¹Korea Institute of Environmental Ecology ²Dept. of Science Education, Jeju National Univ.)
- P-131 Malfunction cases of Followit GPS collars attached to Black bear, Sika deer and Japanese macaque.
○Shigeyuki Izumiya¹, Akiko Takii^{2,3}, Takashi Mochizuki⁴ (¹Shinshu Univ., ²Shinshu Univ., ³Animal laboratory, ⁴Akatsuki Institute)
- P-132 Positioning error of GPS collar -Extraction of data with high accuracy and Performance of GPS collar-.
○Takahiro Ohba, Masataka Ohashi, Masayoshi Otake, Shinya Yamada (Shizuoka Pref. Res. Inst. of Agri. and For. For. and Forest Prod. Res. cen.)
- P-133 Genetic diversity of the Ryukyu spiny rat, based on mitochondrial DNA sequences.
○Ayaka Kido¹, Chie Murata², Fumio Yamada³, Norihiro Kawachi⁴, Asato Kuroiwa^{1,2,5} (¹Fac. Sci., Hokkaido Univ., ²Grad. Sch. Life Sci., Hokkaido Univ., ³FFPRI., ⁴Yachiyo Engin. Co. Ltd., ⁵Grad.

Sch. Sci., Hokkaido Univ.)

- P-134 Transition of Japanese squirrel's presence and distribution in chiba prefecture of 25 years.
○Hitoho Yatake. Tsuyoshi Akita. Jun Furukawa (CERES, Inc.)
- P-135 The present status of Japanese Spuirrel in Kochi Prefecture.
○Syuji Yachimori (Shikoku Inustitute of Natural History)
- P-136 Population deusity estimates of the giant flying squirrel by different survey methods.
○Shinya Yoshida¹, Mayumi Shigeta², Takashi Shoji³, Motokazu Ando¹, Hiroshi Ogawa¹ (¹Lab.Wild Animals, Tokyo Univ. of Agriculture, ²Wildlife Management)
- P-137 Conservation Status and Threat of Bonin flying Fox.
○Hajime Suzuki¹, Maoko Inaba¹, Naoko Suzuko², Horikoshi Kazuo¹, Takashi Kuwana³, Manabu Oonuma³, Jyuko Ando¹, Tetsuro Sasaki¹ (¹Institute of Boninology, ²Tokyo Wildlife protection member, ³National Institute for Environmental Studies)
- P-138 The influence on native animals by American mink (*Mustela vison*) expected in koriyam, Fukushima Prefecture.
○Sadao Ihara (Ohu Univ.)
- P-139 Recovery of native mammal species following reduction of mongoose, in Amami-oshima Island.
Keita Fukasawa¹, ○Takuma Hashimoto¹, Kazuki Yamamuro², Masaya Tataru³, Shintaro Abe⁴ (¹Japan Wildlife Research Center, ²Amami Mongoose Busters, ³Amami Wildlife Center, ⁴Naha Nature Conservation Office)
- P-140 Invention of bycatch prevention trap for mongoose project.
○Makoto Iwasaki, Norihiro Kawauchi (Yachiyo Engineering Co., Ltd.)
- P-141 How do we detect a mongoose? - A development of detection method for a mongoose in Amami-oshima island -.
○Shigeki Sasaki¹, Fumio Yamada², Takuma Hashimoto³, Keita Fukasawa³, Jun-ichi Kobayashi⁴, Shintaro Abe⁵ (¹Yokohama National Univ., ²Forestry and Forest Products Res. Inst., ³Japan Wildlife Res. Center, ⁴Amami Mongoose Busters, ⁵Min. of the Env.)
- P-142 Individual identification of mongoose by polymorphism on microsatellite of DNA from scats, hair and rotten tissues.
○Kei obata¹, Ryouji Hukuhara², Go Ogura¹ (¹Ryukyu Univ., ²Nansei Laboratory.)
- P-143 Distribution and food habit of small carnivores based on the fecal DNA analyses.
○Naoko Kurose (Kitasato Univ.)

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- P-144 Distribution and conflicts of Masked palm civet *Paguma larvata* in Nagano, Japan.
○Yuko Fukue¹, Misao Okano², Hideki Oike³ (¹NPO Earthworm, ²WMO, ³Nagano Pref.)
- P-145 Preliminary study on effectiveness of fox bait to prevent echinococcosis from spreading in Tokachi, Hokkaido, Japan.
○Mayumi Takyu¹, Kenichi Takahashi², Koji Uraguchi², Tatsuo Oshida¹ (¹Laboratory of Wildlife Ecology, Obihiro University of Agriculture and Veterinary Medichine, ²Hokkaido Institute of Public Health)
- P-146 Analysis of factors affecting traffic accidents of Tsushima leopard cats: multiscale approach.
○Yuka Kondo¹, Mayura Takada¹, Ruika Haraguchi², Tsuyoshi Maeda³, Shusaku Moteki², Hisashi Yanagawa¹ (¹Obihiro Univ. Agri. Veter. Med., ²TWCC, ³Tsushima City)
- P-147 Habitat status of feral cats (*Felis catus*) in Chichijima, Ogasawara Islands.

○Tetsuro Sasaki¹, Kazuo Horikoshi¹, Ryujiro Harada², Masako Izawa³ (¹Institute of Boninology, ²Ogasawara Nature Observation Instructor Association, ³Faculty of Science University of Ryukyus)

- P-148 Introducing a Modified Cage Trap for Raccoon Removal Operation to Avoiding Miss-capture Native Species in Ibaraki Prefecture, Central Japan.
○Koji Yamazaki¹, Midori Saeki² (¹Ibaraki Nature Museum, ²National Agricultural Research Center)
- P-149 Capturing data of raccoon on east Shikoku.
○Yoshinori Kaneshiro (Shikoku Institute of Natural History)
- P-150 Preliminary report on the diet of Asiatic black bear in Gunma Prefecture.
○Tomoko Anezaki¹, Hiroyuki Sakaniwa² (¹GMNH, ²Dept. Forestry and Env. Affairs, Gunma)
- P-151 Fluctuation of average age of captured Asiatic black bears in Nagano Prefecture.
○Ryosuke Kishimoto (Nagano Environ. Conserv. Res. Inst.)
- P-152 Reducing Conflicts between Trekkers and Brown Bears: Applying Stated Preference Methods.
○Takahiro Kubo, Yasushi Shoji (Hokkaido Univ.)
- P-153 Daily activity of the feral goat inferred from GPS collar surveys.
○Yuya Watari^{1, 2}, Tsukasa Ogata², Yuko Abe², Yoshitaka Takatsuki², Naoshi Nagae², Ryo Yamashita^{2, 3} (¹FFPRI JSPS, ²Amami Mammalogical Society, ³Amami Mongoose Busters)
- P-154 Actual condition and effect of setting up protective wide fence against the damage by the Japanese wide boar in Shimane Prefecture.
○Yukihiro Takeshita, Hiroki Kanamori (Shimane Prefectural Mountainous Region Research Center)
- P-155 Change in habitable land by expansion of Wild Boar (*Sus scrofa*) distribution in Tochigi Prefecture.
○Hasimoto Yurie¹, Masaaki Koganezawa² (¹Utsunomiya Univ., ²Utsunomiya Univ.)
- P-156 Effects of Social Factors on Farmers' Tolerance to Crop-raiding by Wildlife.
○Katsuya Suzuki (Univ. of Hyogo/Wildlife Management Research Center, Hyogo)
- P-157 The characteristics of wildlife invading point on the mesh fence.
○Masaki Ando¹, Shogo Sakurai², Atsushi Shibahara³, Ai Nozaki⁴, Yonezo Sakai³, Masahide Kobayashi^{2, 3} (¹Gifu Univ., ²Kyoto Prefectural Univ., ³Kyoto Prefectural Agriculture, Forestry and Fisheries Technology Center, ⁴Kyoto Prefectural Nantan Regional Promotion Office)
- P-158 Response of a broad-leaved forest to deer browsing for 3.5 years and recovery from it.
○Shin-Ichi Horino¹, Haruto Nomiya² (¹FFPRI Tohoku, ²FFPRI Kyushu)
- P-159 Preference of sika deer for browse species.
○Nobuhiro Akashi¹, Akira Unno¹, Kazuhiko Terazawa¹, Kazuhiro Minamino², Hiroyuki Uno³, Hifumi Tsuruga³, Masami Miyaki⁴ (¹Forestry Res. Inst., Hokkaido Res. Org., ²Donan Branch Station, Forestry Res. Inst., Hokkaido Res. Org., ³Inst. Environmental Sciences, Hokkaido Res. Org., ⁴Rakuno Gakuen Univ.)
- P-160 The distribution and abundance of sika deer by the rail census.
○Yoshihiro Inatomi¹, Toshio Kurumada² (¹Hokkaido Research Organization, ²Samani town)
- P-161 Comparison of changes in plant diversity with population density of sika deer between *Quercus serrata* forests and Japanese cedar forests.
○Umeda Hirotaka¹, Daisuke Fujiki^{2, 3}, Yasutaka Kishimoto^{2, 3}, Yasuyuki Muroyama^{2, 3} (¹Graduate course of Human Science and Environment, ²Institute of Natural and Environmental Sciences University of Hyogo, ³Wildlife Management Research Center, Hyogo)

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- P-162 Effects of limited food resource on delay of the calving period and growth rate of fawns in the sika deer population on Miyajima Island.
○Yoh Ihara¹, Akiko Matsumoto¹, Eiji Hosoi², Shiori Noda², Kosei Yunoki³ (¹ Hiroshima Environment & Health Association, ²Faculty of Agriculture, Yamaguchi University, ³Jinsekikogen Agriculture Public Coporation)
- P-163 Evaluating spot count data in low-density population of shika deer in western Hokkaido.
○Yukari Honma¹, Takeshi Akasaka¹, Hiromasa Igota¹, Tsuyoshi Yoshida¹, Yuto Katayama², Ayaka Ihara¹ (¹Rakuno Gakuen Univ., ²Nakayama Ranch)
- P-164 The possibility of the promotion of efficiency of the sika trap capture.
○Mitsuhiro Okada¹, Shigeru Sato², Mitsuaki Goto³, Akira Shimizu⁴ (¹Nagano Pref. For. Res. Ctr., ²Nagano Pref. Shimoina Regional Office, ³Wildlife Service, ⁴Nagano Pref. Forestry Department)
- P-165 Deer management in Nishiokoppe Special Hunting Area in Hokkaido.
○Yukiko Matsuura¹, Hiromasa Igota² (¹FFPRI, ²Rakuno Univ.)
- P-166 Selection of microsatellite markers for individual identification in Japanese serows (*Capricornis crispus*).
○Takashi Nishimura¹, Kiyoshi Yamauchi², Yoshitaka Deguchi¹, Toshiki Aoi¹, Tsunenori Tsujimoto³ and Kazuei Matsubara¹ (¹UGAS, Iwate Univ., ²Research Institute for Environmental Sciences and Public Health of Iwate Prefecture, ³Morioka Zoological Park)
- P-167 Migratory behavior pattern between autumn and spring of sika deer (*Cervus nippon*) in Mt. Hyonosen.
○Erina Saita¹, Daisuke Fujiki^{1,2}, Mayumi Yokoyama^{1,2}, Yoshiki Morimitsu^{1,2} (¹Wildlife Management Research Center, ²Institute of Natural Environmental Science Univ. of Hyogo)
- P-168 Distribution pattern of deer population density and total number of deer in Yakushima Island.
○Ryosuke Koda¹, Naoki Agetsuma², Riyou Tsujino³, Yoshimi Agetsuma- Yanagihara⁴, Takashi Kawamura⁵, Takayuki Mamabe⁶, Noboru Fujita³ (¹CER, ²Hokkaido Univ, ³RIHN, ⁴Freelance Researcher, ⁵Yakushima-Seibutsubu, ⁶Sumadzu Corp.)
- P-169 Population estimation of sika deer in Nii-jima, Izu islands.
○Motonobu Tanaka (Biol, Toho Univ)
- P-170 Examination to put an end to sika deer (that gets caught in the trap) 's life by air-gun.
○Masataka Ohashi¹, Hideshi Iwazaki² (¹Shizuoka Pref. For. and Forest Prod., ²Specified Nonprofit Corporation Wakaba)
- P-171 A Trial of Citizen Monitoring Initiative for Sika Deer Population Management in Yakushima Island.
○Shirow Tatsuzawa^{1,2}, Kenshi Tezuka², Yoichi Arata², Ichiro Makise^{2,3}, Takashi Kawamura⁴, Katsuya Kawasaki⁵ (¹Hokkaido Univ., ²YOCA, ³Kamiyaku Hunting Society, ⁴Yakushima Seibutsu-bu, ⁵Yakushima Town Office)
- P-172 Damage to natural deciduous forest caused by Sika deer bark-stripping.
○Hideo Okumura¹, Shiro Okuda², Takeharu Ito³, Atsushi Sakai⁴ (^{1,3}Shikoku R.C., FFPRI, ²Kansai R.C., FFPRI, ⁴JIRCAS)
- P-173 Effectiveness of buffer zones in reducing crop damage by Japanese macaques.
○Hideo Higashi (Institute of mammal)
- P-174 Diversity and distribution of dung beetle assemblages utilizing Japanese monkey feces in cool-temperate forests.
○Hirotō Enari¹, Shinsuke Koike², Haruka Sakamaki³ (¹Utsunomiya Univ., ² Tokyo Univ. Agri & Tech., ³Iwate Univ.)

- P-175 Distributional change of Japanese macaques in Gunma Prefecture.
○Sakaniwa Hiroyuki¹, Tomoko Anezaki², Takao Uehara³ (¹Dept. Forestry and Env. Affairs Gunma, ²GNH, ³Nagano Pref. coll)
- P-176 An assessment of male migration among troops of Japanese macaques using genetic markers.
○Hironori Seino¹, Yoshi Kawamoto² (¹Wildlife Management Office, ²Primate Research Institute, Kyoto University)
- P-177 Genetic Characteristics and Recent Status of Sea Otters in Hokkaido Islands.
○Kaoru Hattori (HNF, FRA)
- P-178 Why don't capture seals at their habitat? ~Capture the spotted seals by box trap~.
○Mari Kobayashi (Tokyo Univ. of Agri., Marine Wildlife Center of Japan)

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- P-179 The infection status of Anisakidae nematodes in the spotted seal at Hokkaido.
○Hitomi Uyama¹, Takashi Iwaki², Mari Kobayashi³ (¹Tokyo Univ. Agri., ²Meguro Parasitological Museum, ³Marine Wildlife Center of JAPAN)
- P-180 Contamination of Dioxin (PCDDs, PCDFs and DL-PCBs) in Steller sea lions (*Eumetopias jubatus*) from the coastal Hokkaido, Japan.
○Katsuyuki Yamaguchi¹, Keiko Kubo² (¹Hokkaido Reserch Org. Institute of Environ. Sci., ²Hokkaido Univ. Environ. Sci.)
- P-181 Concentration of all PCB congeners in Steller sea lions (*Eumetopias jubatus*) from the coastal Hokkaido, Japan.
○Keiko Kubo¹, Shunitz Tanaka¹, Katsuyuki Yamaguchi² (¹Hokkaido Univ. Environ. Sci., ²Hokkaido Research Org. Institute of Environ. Sci.)
- P-182 The preliminary analysis on the exposure of domoic acid and brevetoxin to stranded cetaceans in Japan.
○Kazuki Miyaji¹, Yuko Tajima², Manami Makara², Mitsuaki Ohta¹, Tadasu k Yamada² (¹Vet. Med., Azabu Univ., ²Nat. Mus. Natl. Sci.)
- P-183 The effects of habitat quantity and quality on butterfly assemblages in urban woodlands.
○Masashi Soga, Shinsuke Koike (TUAT)
- P-184 Distribution and illegal stocking of alien largemouth bass in Oshu city, Iwate pref.
○Hiroshi Tsunoda¹, Yoshito Mitsuo², Mitsuru Ohira³, Makie Doi⁴, Akira Takiguchi⁵, Yutaro Senga⁶ (¹Tokyo Univ. Agr. Tech., ²Tokyo Univ. Agr. Tech., ³Uni. Grad. School TUAT, ⁴Grad. School TUAT, ⁵Grad. School TUAT, ⁶Tokyo Univ. Agr. Tech.)
- P-185 Pond conservation as a secondary nature.
○Yoshito Mitsuo, Hiroshi Tsunoda, Akira Takiguchi, Yutaro Ssenga (TUAT)
- P-186 A trial of sika deer population control using box trap.
○Kazuo Mori¹, Yuji Miyake², Makio Kanaiso², Hiroshi Takada², Hiroya Takechi³, Mahito Kamada⁴ (¹Tokushima West District Administration Bureau, ²Tokushima Forestry Technology Support Centre, ³Tokushima City, ⁴Tokushima Univ.)
- P-187 Wildlife Monitoring Network in Hokkaido has started.
○Hirofumi Hirakawa (Forestry and Forest Products Research Institute)
- P-188 Mammal diversity in western part of Kanto district as seen from camera traps.
○Akio Iwashita, Motokazu Ando, Hiroshi Ogawa (Lab. Wild Animals, Tokyo Univ. of Agriculture)

- P-189 Attempt of organism information acquisition of the wild animal with 950MHz sensor network.
 ○ Kazuei Matsubara¹, Norihisa Segawa², Yoshitaka Deguchi¹, Akihiro Ooishi¹, Hirokazu Takahashi¹, Tsunenori Tsujimoto³, Ikuko Urushibara⁴, Hikaru Sato⁴, Toshiki Aoi¹, Jun Sawamoto² (Iwate Univ., ²Iwate Pref. Univ., ³Morioka Zoo, ⁴AR'S Co., Ltd.)
- P-190 The Diversity of Attitudes toward Sea Turtle Bycatch of Shikoku Coastal Fisherman.
 ○Akane Abe¹, Takashi Ishihara², Yukio Yasuoka³, Naoki Kamezaki⁴ (¹Nagoya City Univ., ^{2,4}Sea Turtle Association of Japan, ³Shiina Big set net Union)
- P-191 Resident attitudes toward damage caused by Japanese macaques in suburban area.
 ○Daisuke Nakamura¹, Yutaka Yoshida² (¹The United Graduate School of Agricultural Science, Gifu Univ., ²Yamanashi Institute of Environmental Sciences)
- P-192 Could we forecast the intrusion of Japanese black bear into residential area by the mast condition of three Fagus species in Hakusan area, Ishikawa Prefecture?
 ○Eikichi Nozaki¹, Tatsuya Nogami² (¹Ishikawa Prefectural Government, ²Hakusan Nature Conservation Center)
- P-193 Comparison of attitude to agricultural damage and approaches for prevention in two regions of Kiso, Nagano prefecture.
 ○Akari Hamaguchi (Shinshu Univ.)
- P-194 Trends in newspaper articles and academic studies on alien mammal species.
 Masaya Takasaki, ○Kayoko Yamamoto, Motokazu Ando, Ogawa Hiroshi (Lab.Wild Animals, Tokyo Univ.of Agriculture)
- P-195 Questionnaire about fostering professionals for the population control.
 ○Chizuru Yayota, Toru Koizumi (FFPRI)
- P-196 Regional Administration and Study of Wildlife Conservation in Japan.
 Harumi Torii, Eikichi Nozaki, Tadashi Masuzawa, Gouhei Ueda, ○Masaki Okuyama, Toru Koizumi, et al. (Study Group for Cooperation between Administration and Science Study Group, Wildlife Conservation Society)