

2021年の教員の出版物目録

教員からの情報および掲載の承諾が得られたもののみ。

資源循環学専攻

- Anysia Hedy Ujat, Ganesan Vadamalai, Yukako Hattori, Chiharu Nakashima, Clement Kiing Fook Wong and Dzarifah Zulperi: Current Classification and Diversity of *Fusarium* Species Complex, the Causal Pathogen of *Fusarium* Wilt Disease of Banana in Malaysia. *Agronomy*, 11, 1955
- Endang Ayu Windari, Mei Ando, Yohei Mizoguchi, Hiroto Shimada, Keima Ohira, Yasuaki Kagaya, Tetsuya Higashiyama, Seiji Takayama, Masao Watanabe and Keita Suwabe: Two aquaporins, SIP1;1 and PIP1;2, mediate water transport for pollen hydration in the *Arabidopsis* pistil. *Plant Biotechnology*, 38, 77-87
- Fardhani, I., Torimaru, T. and Kisanuki, H.: Effects of tree density and the topography of the sites of host trees on epiphytic orchid communities on *Schima wallichii* in a forest in West Java, Indonesia. *Acta Oecologica*, 111, 103739
- Furukawa, M., Tsutsumi, D., Muto, H., Uchida, T., Suzuki, T. and Horiguchi, T.: Flume Experiments Evaluating the Efficacy of a Large Wood Trap Featuring Horizontal Rods. *Water*, 13(13)
- Harada Etsuko, Tada Naoto, Kameia Ichiro, Morizono Toshihiro and Matsuda Yosuke: Development of cultivation method for *Leucopaxillus giganteus* fruiting bodies in *Cryptomeria japonica* artificial forests. *J For Res*, 26, 386-394
- Hasegawa, S. and Tsukada, M.: Host range expansion by the invasive herbivore *Corythucha marmorata* (Uhler, 1878) is not caused by better quality of new hosts. *Journal of the Entomological Research Society*, 23, 1-10
- Hattori, Y., Nakashima, C., Kitabata, S., Naito, K., Hieno, A., Alvarez, L. V. and Motohashi, K.: Identification of the *Colletotrichum* species associated with mango diseases and a universal LAMP detection method for *C. gloeosporioides* species complex. *Plant & fungal research*, 4, 2-13
- Hiroyuki Matsunaga, Naoko Matsuo, Takahisa Nakai, Natsuko Yoshifuji, Nobuaki Tanaka, Katsunori Tanaka and Chatchai Tantasirin: Absorption and emission of water vapor from the bark of teak (*Tectona grandis*), a deciduous tree, in a tropical region during the dry season. *Hydrological Research Letters*, 15, 58-63
- Hiroyuki Matsunaga, Naoko Matsuo, Takahisa Nakai, Natsuko Yoshifuji, Nobuaki Tanaka, Katsunori Tanaka and Chatchai Tantasirin: Life history of *Juniperus sabina* L. adapted to the sand shifting environment in the Mu Us Sandy Land, China: A review. *Landscape and Ecological Engineering*, 17, 281-294
- Ishii Naohiro, Takahashi Masaya, Yoshihara Yu, Nyambayar Dashzeveg, Tserendejid Ayush, Suyama Yoshihisa and Sasaki Takehiro: Genetic diversity, population size, and population stability of common plant species in a Mongolian grassland. *Journal of Arid Environments*, 194, 10460-10460
- Jimmy Kalther and Akemi Itaya: Identifying priority areas for coastal protection around Java, Indonesia. *Journal Segara*, 17, 43-56
- Kamakura, M., Kosugi, Y., Takanashi, S., Matsuo, N., Uemura, A. and Lion, M.: Temporal fluctuation of patchy stomatal closure in leaves of *Dipterocarpus sublamellatus* at upper canopy in Peninsular Malaysia over the last decade. *Tropics*, 30, 41-51
- Kasuyoshi Nada, Yuichi Nagaya and Shin Hiratsuka: Short-term Thermal Acclimation Increases Ribulose 1, 5 Bisphosphate Carboxylase/Oxygenase Activity and Content and Enhances Heat Stress Tolerance of Photosynthesis in Cucumber. *Environ. Control Biol.*, 69-75

- Kazuki Fukushima, Toko Kanomata, Aoi Kon, Hiromi Masuko-Suzuki, Kana Ito, Sadayoshi Ogata, Yoshinobu Takada, Yukihiro Komatsubara, Tsuyoshi Nakamura, Takumi Watanabe, Saori Koizumi, Hitoshi Sanuki, Jong-In Park, Satoshi Niikura, Keita Suwabe, Sota Fujii, Kohji Murase, Seiji Takayama, Go Suzuki and Masao Watanabe: Spatiogenetic characterization of S receptor kinase (SRK) alleles in naturalized populations of *Raphanus sativus* L. var. *raphanistroides* on Yakushima island. *Genes & Genetic Systems*, 96, 129-136
- Ken Asai, Khin Ohnmar Lwin, Abraham G. Tandang, Rosalina M. Lapitan, Jesus Rommel V. Herrera, Arnel N. Del-Barrio, Makoto Kondo, Tomomi Ban-Tokuda, Arfan ABRAR, Tsutomu Fujihara and Hiroki Matsui: Comparative Analysis of Rumen Bacteria between Water Buffalo and Cattle Fed the Same Diet during their Fattening Period in the Philippines. *Japan Agricultural Research Quarterly: JARQ*, 55, 69-75
- Kitagami, Y., Obase, K. and Matsuda, Y.: High-throughput sequencing and conventional morphotyping show different soil nematode assemblages but similar community responses to altitudinal gradients on Mt. Ibuki, Japan. *Pedobiologia*, 90, 150788
- Kusamoto, M., Shirouzu, T., Hosaka, K. and Hosoya, T.: Taxonomic reexamination of *Auricularia* specimens based on recent morphological criteria. *The Bulletin of the Graduate School of Bioresources Mie University*, 47, 1-11
- Makoto Kondo, Randi Mulianda, Masaya Matamura, Toshiyuki Shibata, Takashi Mishima, Anuraga Jayanegara and Naoto Isono: Validation of a phenol-sulfuric acid method in a microplate format for the quantification of soluble sugars in ruminant feeds. *Animal Science Journal*, 92, e13530
- Matsuda, Y., Kita, K., Kitagami, Y. and Tanikawa, T.: Colonization status and community structure of arbuscular mycorrhizal fungi in the coniferous tree, *Cryptomeria japonica*, with special reference to root orders. *Plant Soil*, 468, 423-438
- Matsui Hiroki, Imai Taichi, Kondo Makoto, Ban Tomomi-Tokuda and Yamada Yutaka: Effects of the supplementation of a calcium soap containing medium-chain fatty acids on the fecal microbiota of pigs, lactating cows, and calves. *Animal Science Journal*, 92, e13636
- Nakashima, H., Matsuda, Y. and Hijii, N.: An ectomycorrhizal fungus, *Cenococcum geophilum*, in a coastal pine forest has a high tolerance for an insecticide used to control pine wilt disease. *Landscape and Ecological Engineering*, 17, 401-409
- Nozomi Miyawaki, Takashi Fukushima, Takafumi Mizuno, Miyao Inoue and Kenji Takisawa: Effect of wood biomass components on self-heating. *Bioresources and Bioprocessing*, 8:21, 1-6
- Ohashi Shuma, Haruna Kikuta, Yukitsugu Takahashi, Kiyoshi Nagasuga, Yuichi Nagaya and Teruhisa Umezaki: Varietal difference of soybean plant type focus on petiole. *Plant Production Science*, 24, 103-108
- P.W. Crous, L. Lombard, M. Sandoval-Denis, K.A. Seifert, H.-J. Schroers, P. Chaverri, J. Gené, J. Guarro, Y. Hirooka, K. Bensch, G.H.J. Kema, S.C. Lamprecht, C. Lei, A.Y. Rossman, M. Stadler, R.C. Summerbell, J.W. Taylor, M. Thines, ... C. Nakashima, et al. (86/127th): *Fusarium*: more than a node or a foot-shaped basal cell. *Studies in Mycology*, 98
- Pölme, S. et al.: FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. *Fungal Diversity*, 105, 1-16
- Savchenko, A., Zamora, J.C., Shirouzu, T., Spirin, V., Malysheva, V., Kõljalg, U. and Miettinen, O.: Revision of *Cerinomyces* (Dacrymycetes, Basidiomycota) with notes on morphologically and historically related taxa. *Studies in Mycology*, 99 (100117)
- Shiraki Yuya, Goto Tomohiro and Nonaka Hiroshi: Concentrated sulfuric acid hydrolysis of softwood with t-butyl alcohol. *Biomass Conversion and Biorefinery*, 11, 937-941
- Takahisa Nakai, Keisuke Toba, Kenta Watanabe, Jianbo Huang and Susumu Kawamura: Effect of Ceramic

- Coating on Indoor Thermal Conditions of Wooden House during Winter. *Trans. Mat. Res. Soc. Japan*, 46, 19-26
- Takenaka, C., Fukushi, A. and Matsuda, Y.: Arbuscular mycorrhizal fungi facilitate the uptake of radiocesium by *Eleutherococcus sciadophylloides* (araliaceae)-a pot-scale and field survey. *Journal of Forest Research*, 26, 101-109
- Takuo Enomoto, Junko Yoshida, Takafumi Mizuno, Toshihiro Watanabe and Sho Nishida: Differences in mineral accumulation and gene expression profiles between two metal:hyperaccumulators, *Noccaea japonica* and *Noccaea caerulescens* ecotype Ganges, under excess nickel condition. *Plant Signaling & Behavior*, 1-5
- Tao Xiangyu and Nonaka Hiroshi: Wet extrusion molding of wood powder with hydroxy-propylmethyl cellulose and with citric acid as a crosslinking agent. *Bioresources*, 16, 2314-2325
- Wang, N., Kakeda, K., Tomokazu, M., C. Liu., Yoshida, M., Kawada, N. and Komatsuda, T.: A novel mutant allele at the *Cleistogamy 1* locus in barley. *Theor. Appl. Genet.*, 134, 3183-3193
- Tao Xiangyu and Nonaka Hiroshi: Effect of Crosslinking Temperature on Wood-HPMC Composite with Citric Acid. *Proceedings of 8th Asian Conference on Biomass Science*, 8
- Yoshida, J., Tomooka, N., Mishima, T., Matsuda, Y. and Ehara, H.: Comparison of growth and ion absorption with compatible solute accumulation of three wild *Vigna* species under salt stress. *Trop Agric Dev*, 65, 195-205
- Yoshihara, Y. and Ogawa, Y.: Reduction in Grass Hay Degradability in Sheep through Changes in Ruminant Microbiota Caused by Handling Stress. *Journal of Animal and Feed Sciences*, 30, 159-164
- Yoshihara, Y. and Yokoyama, S.: Effects of soybean curd residue and rice bran on lamb performance, health, and meat quality. *Veterinary and Animal Science*, 11, 100166
- Yoshihara, Y. and Oya, K.: Characterization and assessment of vocalization responses of cows to different physiological states. *Journal of Applied Animal Research.*, 49, 347-351
- Yoshihara, Y., Yuki Miyagawa and Masaru Sakai: Challenging sheep grazing in orchards: Changes in nutrition, performance, and the health of animals and the effects on the vegetation and soil. *Grassland Science.*, 68, 187-192
- Yudai Kitagami, Kiyosada Kawai and Taisuke Ekino: Soil physicochemical properties shape distinct nematode communities in serpentine ecosystems. *Pedobiologia*, 85
- Yukako Hattori, Yuho Ando, Atsuko Sasaki, Nami Uechi and Chiharu Nakashima: Taxonomical Study of Noteworthy Species of *Botryosphaeria* in Japan. *MYCOBIOLOGY*, 49, 122-132
- Yukako Hattori, Yuho Ando and Chiharu Nakashima: Taxonomical re-examination of the genus *Neofusicoccum* in Japan. *Mycoscience*, 62, 250-259
- 細川聖華, 吉原佑: ブランド鹿肉ジビエの肉質評価: 捕獲方法・解体方法・保存方法に注目して. *食肉の科学*, 62 (2), 127-132
- 秀野晃大, 岡村翔, 野中寛: フェノール化リグニン含有針葉樹パルプの調製とナノ解繊に向けた検討. *バイオマス科学会議論文集*, 16, 89-90
- 河村進, 中井毅尚: ドローンを用いた屋根表面の温度分布の評価. *材料*, 515-521
- 吉井達樹, 久保杜, 松村直人: 間伐選木作業への UAV の応用可能性の検討. *中部森林研究*, 69, 57-60
- 久米駿輔, 野中寛, 谷口弘明, 新島聖治, 西村正彦: カルボキシメチルセルロース (CMC) を用いた低温焼成磁器グリーン体の高強度化. *材料*, 70, 926-930
- 松井宏樹: 反芻動物が持つ胃ルーメンについて. *プレスリッツ*, 85, 3-4
- 松岡拓磨, 野中寛: 湿式押出法によるコーヒー抽出残渣成形品の開発. *日本エネルギー学会誌*, 100, 55-61
- 松田陽介: ゼロから分かる菌根菌のはなし ~新規きのこ生産を地域から発信するために~. *三重の林業*, 422, 11-12

- 水野直治, 水野隆文: 農業生産に対する土壌 pH の影響. 農業および園芸, 96, 485-494
- 水野直治, 庫爾斑尼札米丁, 天野洋司, 南條正巳, 水野隆文, 吉田穂積, 但野利秋: 北海道の十勝および胆振管内における火山灰土のアロフェン含量と土壌 pH の関係. 農業および園芸, 96, 97-103
- 水野隆文: 蛇紋岩土壌における植物のニッケル過剰障害. ペドロジスト, 65, 22-29
- 石川知明, 西田圭那: 森林施業量からみた今後必要となる林業労働者数の推定 I —滋賀県の事業体を例として—. 中部森林研究, 69, 73-76
- 中田知沙, 板谷明美, 吉田智佳史, 中澤昌彦: 原木輸送におけるドライバーのヒヤリハット経験の発生要因. 森林利用学会誌, 36, 79-86
- 中島亨, 安積慎哉: 外国産米に対する支払意思額の推計: 購買をともなう離散選択実験を用いて. フードシステム研究, 27, 195-200
- 中島亨, 岩田祐成: 観光政策が観光・消費行動に与える因果効果: 三重県の観光政策「みえ食旅パスポート」を対象として. 農業経済研究, 92, 371-376
- 中島亨, 小山達也: 個別 GAP 認証取得等に対する支払意思額の推計. 農業経営研究, 59, 67-72
- 中島亨, 美濃部瑚依: オークション実験によるアテモヤの消費者需要分析. 農業経済研究, 93, 301-306
- 長屋祐一: 日本環境学会の想いに社会制度が追いついてきたようだ —持続的で公正な社会を目指す環境教育の在り方とキャリア形成—. 人間と環境, 47, 44-79
- 長屋祐一: 地球環境保全論—持続可能な社会をめざして—和田武・小堀洋美著. 人間と環境, 47, 65-65
- 唐澤丈, 吉井達樹, 沼本晋也, 松村直人: 210 年生スギ人工林の成長解析: 三重大学附属平倉演習林藤堂スギの事例. 中部森林研究, 69, 63-66
- 藤尾峻太郎, 西田圭那, 石川知明: 森林施業量からみた今後必要となる林業労働者数の推定 II —滋賀県を例として—. 中部森林研究, 69, 77-80
- 白水貴, 大前宗之, 新井文彦, 稲葉重樹, 服部友香子: 日本新産種 *Auricularia americana* s. str. (キクラゲ目). 日本菌学会会報, 62, 125-130
- 武藤弘典, 堤大三, 古川真由子, 内田太郎, 鈴木拓郎, 堀口俊行: 新たな流木捕捉工の開発のための急勾配水路実験による基礎的研究. 砂防学会誌, 73(6), 19-26
- 服部友香子, 安藤裕萌, 中島千晴: 日本産樹木寄生性 *Botryosphaeria* 属菌株の分子系統. 日本菌学会会報, 62, 1-11
- 北上雄大: 線虫ミーティングに参加して. 日本線虫学会ニュース, 81, 7-7
- 北上雄大, 松田陽介: 身近な森から広がる線虫研究. 三重大学大学院生物資源学研究所紀要, 47, 25-31
- 名田和義, 平塚伸: 収穫直前の培養液へのグリシン添加は水耕栽培ホウレンソウの硝酸塩とシュウ酸塩を同時に低減させる. 園芸学研究, 20, 57-63
- 木佐貫博光: 森林における樹木の長期観測 ～三重大学演習林の山地溪谷林について～. 三重の林業, 420, 10-11
- 野中寛: 「ウッドストロー」とは何か: ～石油系樹脂を使わない木材成形技術によるプラスチック代替の可能性～. 三重の林業, 421, 9-10
- 鈴木康平, 北上雄大, 松田陽介: スギ地上部の異なる器官に分布する線虫の群集構造と菌糸量の推定. 日本森林学会誌, 103, 253-258
- 倪典夏, 常清秀: 中国内水面養殖における家族経営の経営展開とその特質: —江蘇省蘇州市陽澄湖カニ養殖業者の事例—. 漁業経済研究, 第 65 巻第 2 号, 1-12

共生環境学専攻

- Alex Otieno Owino, Najmun Nahar, Saiful Kabir Khan, Zakaria Hossain and Noma Tamaki: EFFECTS OF BASALT FIBER ON STRENGTH AND PERMEABILITY OF RHA TREATED EXPANSIVE:SOILS. Proc. of the Int. Conf. on Geotechnique, Construction Materials and Environment, Melbourne, Australia, 11(1), 279-287
- Atsuyoshi Manda: Impact of sea-ice cover on storm-mediated atmospheric warming over the Barents Sea: A regional modelling study. *Okhotsk Sea and Polar Oceans Research*, 5, 23-20
- Hiyama, T., A. Dashtseren, K. Asai, H. Kanamori, Y. Iijima and M. Ishikawa: Groundwater age of spring discharges under changing permafrost conditions: the Khangai Mountains in north-central Mongolia. *Environmental Research Letters*, 16, 015008
- Iijima, Y., T. Abe, H. Saito, M. Ulrich, A.N. Fedorov, N.I. Basharin, A.N. Gorokhov and V.S. Makarov: Thermokarst Landscape Development detected by Multiple Geospatial Data in Churapcha, Eastern Siberia. *Frontier in Earth Science*
- Karla P. Knudson, Ana Christina Ravelo, Ivano W. Aiello, Christina P. Knudson, Michelle K. Drake and Tatsuhiko Sakamoto: Causes and timing of recurring subarctic Pacific hypoxia. *SCIENCE ADVANCES*, 7
- Kawasaki, K., Tachibana, Y., T. Nakamura and K. Yamazaki: Role of the cold Okhotsk Sea on the climate of the North Pacific subtropical high and Baiu precipitation. *Journal of Climate*, 34, 495-507
- Komatsu, K.K., Y. Iijima, Y. Kaneko and D. Oyunbaatar: Validation of GSMaP products for a heavy rainfall event over complex terrain in Mongolia captured by the GPM core observatory. *Journal of Meteorological Society of Japan*, 99, 1003-1022
- Kun Zhang, Ling Shi, Yue Hu, Peng Chen(陳山鵬) and Yonggang Xu: Variable spectral segmentation empirical wavelet transform for noisy signal processing. *Digital Signal Processing*, 117(103151)
- Kun Zhang, Weikang Tian, Peng Chen(陳山鵬), Chaoyong Ma and Yonggang Xu: Sparsity-guided multi-scale empirical wavelet transform and its application in fault diagnosis of rolling bearings. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 43(398)
- Mami Yamamoto and Xiulun Wang: Development of biodegradable biomass board using green pepper stalk. *Proceedings of 27th Tri-U International Joint Seminar & Symposium*
- Miyawaki, N., T. Fukushima, T. Mizuno, M. Inoue and K. Takisawa: Effect of wood biomass components on self-heating. *Bioresources and Bioprocessing*, 8, 21
- Mizuochi, H., Y. Iijima, H. Nagano, A. Kotani and T. Hiyama: Dynamic mapping of subarctic surface water by fusion of microwave and optical satellite data using conditional adversarial networks. *Remote Sensing*, 13, 175
- Najmun Nahar, Alex Otieno Owino, Sayful Kabir Khan, Zakaria Hossain and Noma Tamaki: Effects of controlled burn rice husk ash on the geotechnical properties of soil. *Journal of Agricultural Engineering*, 52(4), 1-7
- Najmun Nahar, Sanjia Mahiuddin and Zakaria Hossain: The Severity of Environmental Pollution in the Developing Countries and Its Remedial Measures. *Earth*, 2, 124-139
- Najmun Nahar, Sayful Kabir Khan, Alex Otieno Owino, Zakaria Hossain and Noma Tamaki: INFLUENCE OF RICE HUSK ASH WITH MINIMAL DOSAGE OF CEMENT ON SHEAR STRENGTH:AND MICROSTRUCTURE OF SOIL. Proc. of the Int. Conf. on Geotechnique, Construction Materials and Environment, Melbourne, Australia, 11(1), 273-278
- Najmun Nahar, Zakaria Hossain and Noma Tamaki: Optimum utilization of rice husk ash waste for ground improvement. *International Agricultural Engineering Journal*, 30(1), 1-10

- Nakanishi, T., Tachibana, Y. and Ando, Y.: Possible semi-circumglobal teleconnection across Eurasia driven by deep convection over the Sahel. *Climate Dynamics*, 57, 2287-2299
- Overland, J. E., Baek-Min Kim, and Tachibana, Y.: Communicating Arctic-Midlatitude Weather and Ecosystem Connections: Direct Observations and Sources of Intermittency. *Environmental Research Letters*, 16
- Ryoei Ito and Takamitsu Kajisa: DEVELOPMENT OF PADDY-FIELD WATER LEVEL GAGE CORRESPONDING TO A SENSOR-NETWORK / センサーネットワークに対応した水田水位計の開発. *INMATEH - Agricultural Engineering*, 63(No.1), 131-136
- Ryohei Yamashita and Hidetsugu Morimoto: Spatial characteristics of residents' discomfort with disseminated solar panels. *International Review for Spatial Planning and Sustainable Development*, 9, 16-29
- Sayful Kabir Khan, Najmun Nahar, Alex Otieno Owino, Zakaria Hossain and Noma Tamaki: STRENGTH AND MICROSTRUCTURE DEVELOPMENT OF RICE HUSK ASH WITH CEMENT STABILIZED:SOIL. *Proc. of the Int. Conf. on Structure, Engineering and Environment, Kyoto, Japan*, 7(1), 458-463
- Seki, K., N. Toride, and M.Th. van Genuchten: Closed-form hydraulic conductivity equations for multimodal unsaturated soil hydraulic properties. *Vadose Zone Journal*, 21
- Shestakova, A. A., A.N. Fedorov, Y.I. Torgovkin, I. Yaroslav, P.Y. Konstantinov, N.F. Vasyliiev, S.V. Kalinicheva, V. Svetlana, V.V. Samsonova, T. Hiyama, Y. Iijima, H. Park, G. Iwahana, and A.N. Gorokhov: Mapping the main characteristics of permafrost on the basis of a permafrost-landscape map of Yakutia using GIS. *Land*, 10, 462
- Song Xuewei, Liao Zhiqiang, Wang Hongfeng, Song Weiwei and Chen Peng(陳山鵬): Novel Rotating Machinery Structural Faults Signal Adaptive Multiband Filtering and Automatic Diagnosis. *Mathematical Problems in Engineering*, 2021, 1-5
- TANGSHAO DUAN, ZHIQIANG LIAO, TAIFU LI, HAIHONG TANG and PENG CHEN (陳山鵬): Bearing Fault Diagnosis Based on State-Space Principal Component Tracking Filter Algorithm. *IEEE-Access*, 9, 158784-158795
- Xu Shunhao and Wang Xiulun: Development of a biodegradable mulching sheet for agriculture using soybean stalk. *Proceedings of 27th Tri-U International Joint Seminar & Symposium*
- Yang Li, Xiulun Wang, Koji Kito and Xiaowen Song: Development of biomass board and its mechanical properties using tomato stalk. *Report of Kansai Society of Agricultural Machinery and Food Engineers*, 129, 19-20
- Yasunari JTH, Nakamura KMK, Choi N, Lee MI, Tachibana, Y. and Silva AMD: Relationship between circum-Arctic atmospheric wave patterns and large-scale wildfires in boreal summer. *Environmental Research Letters*, 16
- Yoshinari Morio, Makoto Miwa and Katsusuke Murakami: Color Marker Search System using a Pan-Tilt-Zoom Camera for Intelligent Worker Assistance, *Journal of Engineering in Agriculture, Environment and Food*, 13
- Yosuke Inagaki, Rina Akune, Ayano Matsuda, Shinichiro Kuroki, Kenji Takisawa and Takashi Fukushima: Effect of chloroplast movement on laser speckle method. *Transactions of the ASABE*, 64, 1747-1754
- Yuichi ISHIKAWA, Hideo SUGIMOTO, Yasunobu MATOBA, Toshio OSHIDA, Atsushi FUKUDA, Hisao USHIKI, Tetsu NISHIOKA, Yuji AOKI, Takahiro MIYAI, Shunsuke KIKUCHI, Ryo FUJITA, Satoshi WAKAMIYA, Shota SASAKI, Shota NAGASAWA, Moe SATOH, Sachiko YABUKI, Hitoshi KANNO, Hidetsugu MORIMOTO, Shin HIDAKA, Atsushi HAYAKAWA and Tadashi TAKAHASHI: Beyond the Tsunami Disaster: Ten Years' Activities to Use Uncultured Fields after the Great East Japan Earthquake in Miyagi, Japan. *Journal of Arid Land Studies*
- Zhang Kun, Ma Chaoyong, Xu Yonggang, Chen Peng(陳山鵬) and Du Jianxi: Feature extraction method based

- on adaptive and concise empirical wavelet transform and its applications in bearing fault diagnosis. *Measurement*, 172(5), 108976
- Zhang Kun, Xu Yonggang and Chen Peng(陳山鵬): Feature extraction by enhanced analytical mode decomposition based on order statistics filter. *Measurement*, 173, 108620
- Zhang Kun, Xu Yonggang, Liao Zhiqiang, Song Liuyang and Chen Peng(陳山鵬): A novel Fast Entrogram and its applications in rolling bearing fault diagnosis. *Mechanical Systems and Signal Processing*, 154(1), 107582
- Zhao, N., A. Manda, X. Guo, K. Kikuchi, T. Nasuno, M. Nakano, Y. Zhang and B. Wang: A Lagrangian view of moisture transport related to the heavy rainfall of July 2020 in Japan: Importance of the moistening over the subtropical regions. *Geophysical Research Letters*, 48, DOI:10.1029/2020GL091441
- Zhiqiang Liao, Xuewei Song, Baozhu Jia and Peng Chen(陳山鵬): Bearing Fault Feature Enhancement and Diagnosis based on Statistical Filtering and 1.5-dimensional Symmetric Difference Analytic Energy Spectrum. *IEEE sensors journal*, 21(8), 9959-9968
- Ziyi Cai and Xiulun Wang: Properties of fiberboard manufactured by using Camphor tree. *Proceedings of 27th Tri-U International Joint Seminar & Symposium*
- 稲垣陽介, 阿久根里奈, 松田綾乃, 長田紳, 滝沢憲治, 福島崇志: レーザスペckル法による塩ストレスの検出. *関西農業食料工学会会報*, 131, 37-38
- YIN XIN, 村上克介, 森尾吉成, 内藤啓貴, 天野貴大, 元垣内敦司, 福井宏史: 家庭用植物工場に関する研究. *関西農業食料工学会会報*, 130, 11-11
- 遠藤和子, 岡島賢治, 左村公, 安瀬地一作: 山腹水路をスマート化し強靱な中山間農業を未来に継承する. *農村計画学会誌*, 40(3), 166-167
- 奥田涼太, 渡辺晋生: 土壌水分量が異なる黒ボク土の凍結過程における熱移動メカニズム. *農業農村工学会論文集*, 89, I_173-I_180
- 岡島賢治: 豪雨による傾斜農地の土砂崩壊実態と災害予測マップによる地形的特徴の再現 —平成三〇年七月豪雨による愛媛県宇和島地区を事例に—. *棚田学会誌*, 22, 2-14
- 岡島賢治, 安瀬地一作, 遠藤和子, 小池竜市: 溪流からの流出に対する山腹水路の洪水緩和機能. *農業農村工学会誌*, 87(10), 7-10
- 岡島賢治, 岩田祥子: 現地地下水位観測をもとにした農地石垣崩壊のリスク指標. *農業農村工学会論文集*, 312, I_127-I_135
- 加藤ちひろ, 王秀崙, 鬼頭孝治: 植物バイオマスを用いた養液栽培用培地の開発研究. *関西農業食料工学会会報*, 130, 12-12
- 葛葉泰久, 水木千春: 2021. 確率水文量算定手法の改良と従来からの手法の問題点指摘 —修正 SLSC 法を含む手法—. *水文・水資源学会誌*, 34(5), 283-302
- 吉松将吾, 張坤, 段堂少, 陳山鵬, 山下光司: 車両の自律走行に関する研究 —GA・ファジによる軌道追制御—. *農業食料工学会関西支部報*, 第 130 号, 24-24
- 吉田里樹, 村上克介, 森尾吉成, 内藤啓貴: 人工光によるトマト苗のための光環境制御. *関西農業食料工学会会報*, 130, 10-10
- 忽那淳平, 張坤, 段堂少, 陳山鵬, 山下光司: 車両の自律走行に関する研究 —ファジィ・ニューロによる軌道追従制御—. *農業食料工学会関西支部報*, 第 130 号, 23-23
- 坂井勝: 書評 農業気象・環境学 第3版 大政謙次・北野雅治・平野高司・荊木康臣・広田知良・嶋津光 鑑編. *農業農村工学会誌*, 89, 59-59
- 山田二久次, 松井隆宏: 品質の見える化による高付加価値化に関する分析 —三重県鳥羽市「答志島トロさわら」を事例に—. *国際漁業研究*, 19, 65-77
- 山田二久次, 大木里夏, 久野正博, 吉田彰, 万田敦昌: スパースモデリングによる三重県のブリ類漁獲量予

測モデルの改良・国際漁業研究

- 山本康介, 野地良成, 野地伸卓, 坂本竜彦: 持続可能な森林教育の発展を支える実施者の意識と継続プロセスの要素—三重県・熊野木育プロジェクトの実践研究より—. 日本環境教育学会, in press
- 児島優稀, 大石風人, 上西彰悟, 内藤啓貴, 井上貴詞, 永田富治, 長瀬祐士, 北村祥子, 糸山恵理奈, 吉岡秀貢, 星野洋一郎, 熊谷元, 広岡博之: ウシに対する新たな心拍測定手法としての心弾動測定法の検討. システム農学, 37(1), 1-7
- 小井瑞穂, 宋雪璋, 陳山鵬, 山下光司: 回転機械状態監視・診断に関する研究—センサの診断感度評価および深層学習による知的軸受診断法—. 農業食料工学会関西支部報, 第130号, 27-27
- 小澤聖丘, 山下光司, 陳山鵬: 魚類の沈下養殖のための水中給餌法に関する研究—給餌ソフトウェアの改良および摂餌活性の抽出—. 農業食料工学会関西支部報, 第129号, 55-56
- 松村直人, 大村梨紗, 犬飼悠介: 三重県における素材生産活動林業経営指標の分析. 令和元年度三重大学フィールド研究・技術年報, 18, 1-12
- 森本英嗣: 耕作の実施状況によるため池管理への参加意欲の差異—混住化地域における一村単位のため池管理を対象として—. 農業農村工学会論文集, 312, II-1-II-7
- 西山千尋, 王秀崙, 鬼頭孝治: 木質バイオマスを用いたファイバーボードの開発研究. 関西農業食料工学会会報, 130, 14-14
- 浅井乙葉, 鬼頭孝治, 王秀崙: ドローンによる獣害対策—画像処理を用いたサルの認識と教育用ドローンによる追い払い機能の構築と検証—. 関西農業食料工学会会報, 130, 40-40
- 村上克介, 神野雅文, 田淵義彦: UV 技術—昨今のコロナウイルス感染症の諸事情を配慮しながら. 照明学会誌, 105-2, 55-56
- 大村浩麻, 森尾吉成, 村上克介: 農業ロボット自動走行のための走行路面および空間認識. 関西農業食料工学会会報, 129, 51-52
- 中西龍太郎, 森尾吉成, 内藤啓貴, 村上克介: 自律走行型農業ロボットを用いた環境地図作成のための圃場空間内物体マッピング. 関西農業食料工学会会報, 130, 39-39
- 朝倉健介, 山下光司, 小澤聖丘, 陳山鵬: 魚類の自発摂餌給餌法に関する研究—給餌量の制御—. 農業食料工学会関西支部報, 第130号, 15-15
- 鶴見桜子, 森尾吉成, 内藤啓貴, 村上克介: エンドウ栽培ロボット自律走行のためのマルチ被覆畝認識と自己位置認識. 関西農業食料工学会会報, 130, 22-22
- 田中真帆, 鬼頭孝治, 王秀崙: ドローンによる獣害対策—サルの追い上げを目的とした教育用ドローンによる編隊飛行システムの構築と検証—. 関西農業食料工学会会報, 130, 41-41
- 田中宣多, 中村満太, 上田恭平, 渦岡良介: 樹木を有する斜面の地震時応答特性・安定性. 土木学会論文集 A1 (構造・地震工学), 77 巻 4 号, I_689-I_696
- 渡辺晋生: 積雪中の水分移動解析と土壌物理モデル—間隙構造が決定づける多孔質体の保水性と移動特性—. 雪氷, 83
- 楠本岳志, 酒井俊典, 中里裕臣, 吉迫宏, 井上敬資, 正田大輔: 地すべり土塊の簡便な耐震性照査手法について. 日本地すべり学会誌, 58, 16-27
- 梅川逸人, 佐藤邦夫, 鈴木律文, 村上克介: 環境先進への道のりと環境人材の育成. 照明学会誌, 105, 140-145
- 飯島慈裕: #1 地球温暖化で融けている? 「永久凍土」に関する誤解を解く. 永久凍土の変化から地球のこれまでとこれからを知る, 1-11
- 飯島慈裕: 53 シベリアにおける永久凍土の環境変化. 図説 世界の地域問題 100, 106-107
- 万田敦昌, 茂木耕作: 海水温と豪雨災害の関係について. ながれ, 40, 9-14
- 鈴木理恵, 村上克介, 森尾吉成, 内藤啓貴: LED を用いた光質変化照明がサラダ菜の成長に及ぼす影響. 関西農業食料工学会会報, 130, 9-9

柘田優希, 森尾吉成, 内藤啓貴, 村上克介: 人間協調型農業ロボットのための LiDAR とカメラを用いた作業空間内物体追跡. 関西農業食料工学会会報, 130, 38-38

魏叢林, 王秀崙, 鬼頭孝治, 宋曉文: トマトの木とバガスを用いたハイブリッドバイオボードの作製に関する研究. 関西農業食料工学会会報, 129, 17-18

生物圏生命科学専攻

- Abdelrahman, M., R. Nishiyama, C. D. Tran, M. Kusano, R. Nakabayashi, Y. Okazaki, F. Matsuda, R. A. Chavez Montes, M. G. Mostofa, W. Li, Y. Watanabe, A. Fukushima, M. Tanaka, M. Seki, K. Saito, L. Herrera-Estrella, and L. P. Tran: Defective Cytokinin Signaling Reprograms Lipid and Flavonoid Gene-to-Metabolite Networks to Mitigate High Salinity in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, 118 (48), e2105021118
- Akita, S., Koiwai, K., Ishikawa, T., Sakamoto, T., Yoshimura, T., Kiyomoto, S., Nanri, K., Tamayama-Kato, Y., Kurashima, A., Hanyuda, T., Shimada, S., Kawai, H. and Fujita, D.: Molecular evidence for naturally occurring intra- and inter-generic hybridization in the genus *Ecklonia* (Laminariales, Phaeophyceae). *Phycologia*, 60, 170-179
- Albert. V. Manuel, Thi Cam Tu Phan, Satoshi Yamamoto, Naoaki Tsutsui and Takao Yoshimatsu: Effect of simulated sudden thunderstorm flood on the early stage development of Japanese flounder *Paralichthys olivaceus*. *Aquaculture Research*, 52, 6464-6471
- Chaudhary, A., A. M. Akram, Q. Ahmad, Z. Hussain, S. Zahra, Q. Minahal, S. Azhar, S. Ahmad, S. Hayat, M. A. Javed, M.S. Haider, Q. Ali and S. Karita: Optimized biotransformation of acid-treated water melon peel hydrolyzate into ethanol. *Brazil. J. Biol.*, 83, e253009
- Enokizu, A., Morisaka, T., Murakami, K., Sakurai, N., Ueda, N. and Yoshioka, M.: Yawn-like behavior in captive common bottlenose dolphins (*Tursiops truncatus*). *Behavioral Processes*, 189, 104444
- Gunawan Muhammad, Takuya Fujimura and Akira Komaru: The effects of nacre microstructure on green and pink interference colors in *Pinctada fucata martensii* pearls. *Aquaculture* 535, 535
- Gunawan Muhammad, Takuya Fujimura, Asep Sahidin and Akira Komaru: The influence of donor and recipient oyster red and blue shell nacre interference color on *Pinctada fucata martensii* pearl. *Aquaculture* 543, 543
- Hama, H. and Morisaka, T.: Noncontact method for estimating ellipticity around the girth of a free-ranging dolphin. *ICIC Express Letters*, 15, 755-762
- Hayakawa, T., Suzuki, R., Kagotani, K., Okumura, K. and Takebayashi, S.: Camptothecin-induced replication stress affects DNA replication profiling by E/L Repli-seq. *Cytogenetic and Genome Research*, 161, 437-444
- Ishizaki Daisuke, Nagata Takamaru, Kikko Takeshi, Mizuno Toshiaki, Ida Chieri, Okubo Takuya, Fujioka Yasuhiro and Yodo Taiga: Juvenile migration of Japanese dace *Pseudaspius hakonensis* revealed in a tributary of Lake Biwa with seasonal changes in abundance and stable isotope ratios. *Ichthyological Research*, 68, 496-505
- Jimi Naoto, Natsumi Hookabe, Takeya Moritaki, Taeko Kimura and Satoshi Imura: First evidence of male dwarfism in scale worms: A new species of Polynoidae (Annelida) from hermit crab and molluscan shells. *Journal of Zoological Systematics and Evolutionary Research*, 59, 801-818
- Justus O. Omweri, Keita W. Suzuki, Shouji Houki, Edouard Lavergne, Hiroshi Inoue, Hisashi Yokoyama and Yoh Yamashita: Flexible herbivory of the euryhaline mysid *Neomysis awatschensis* in the microtidal Yura River estuary, central Japan. *PLANKTON BENTHOS RESEARCH*
- Katahira, H., A. Yamamoto, T. Masubuchi, T. Isshiki, N. Watanabe and M. Kanaiwa: A report on potential effects of an ectoparasite *Argulus coregoni* (Crustacea: Branchiura) on ayu under rearing condition. *Aquaculture*, 543
- Katahira, H., T. Shimose and M. Kanaiwa: New host records for *Scaphanocephalus adamsi* (Platyhelminthes: Trematoda: Heterophyidae) from commercial fishes off Yaeyama Islands. *Fauna Ryukyuna*, 59, 21-26

- Katsunori Teranishi: Non-invasive and accurate readout of superoxide anion in biological systems by near-infrared light. *Anal. Chim. Acta.*, 1179, 338827-338827
- Kondo, M., Mulianda, R., Matamura, M., Shibata, T., Mishima, T., Jayanegara, A. and Isono, N.: Validation of a phenol-sulfuric acid method in a microplate format for the quantification of soluble sugars in ruminant feeds. *Anim. Sci. J.*, 92, e13530
- Kota Watanabe, Satoshi Fukuzaki, Atsushi Sugino, Nicholas Benson, Newt Metcalf, Masaya Nakamura and Morio Matsumoto: Cobalt-chromium alloy has superior antibacterial effect than titanium alloy- In vitro and in vivo studies. *Spine*, 46, E911-E915
- Li Qiang, Manohar Chakrabarti, Nathan K. Taitano, Yozo Okazaki, Kazuki Saito, Ayed M. Al-Abdallat, and Esther van der Knaap: Differential Expression of *Slklh* Controlling Fruit and Seed Weight Is Associated with Changes in Lipid Metabolism and Photosynthesis-Related Genes. *Journal of Experimental Botany*, 72, 1225-1244
- Maki, T., Lee, K.C., Pointing, S.B., Watanabe, K., Aoki, K., Archer, S.D.J., Lacap-Bugler, D.C. and Ishikawa, A.: Desert and anthropogenic mixing dust deposition influences microbial communities in surface waters of the western Pacific Ocean. *Science of the Total Environment*, 791, 148026-148026
- Masaya Honda, Minoru Inagaki and Yuichi Masuda: Total synthesis of the cyclic pentapeptides PF1171B, D, E, and avellanines A, B, C with inhibitory activity against apolipoprotein B production. *Tetrahedron Letters*, 81, 153340
- Masuda, Y.: Bioactive 3D structures of naturally occurring peptides and their application in drug design. *Biosci. Biotechnol. Biochem.*, 85, 24-32
- Matsumoto, K., Sakami, T., Watanabe, T., Taniuchi, Y., Kuwata, A., Kakehi, S., Tan, E., Igarashi, Y., Kinoshita, S., Asakawa, S., Hattori, M., Watabe, S., Ishino, Y., Kobayashi, T., Gojobori, T. and Ikeo, K.: Metagenomic analysis provides functional insights into seasonal change of a non-cyanobacterial prokaryotic community in temperate coastal waters. *PLoS ONE*, 16(10), e0257862
- Matsuzawa, Yuki, Yasuhiro Higashi, Kouji Takano, Mikiko Takahashi, Yutaka Yamada, Yozo Okazaki, Ryo Nakabayashi, Kazuki Saito and Hiroshi Tsugawa: Food Lipidomics for 155 Agricultural Plant Products. *Journal of Agricultural and Food Chemistry*, 69, 8981-8990
- Mitani, Y., Kita, Y.F., Saino, S., Yoshioka, M., Ohizumi, H. and Nakahara, F.: Mitochondrial DNA haplotypes of killer whales around Hokkaido, Japan. *Mammal Study*, 46, 1-7
- Miyake, T., Nakajima, J., Umemura, K., Onikura, N., Ueda, T., Smith, C. and Kawamura, K.: Genetic diversification of the Kanehira bitterling *Acheilognathus rhombeus* inferred from mitochondrial DNA, with comments on the phylogenetic relationship with its sister species *Acheilognathus barbatulus*. *Journal of Fish Biology*, 99, 1677-1695
- Okamura, T., Akune, Y., Mori, T., Morisaka, T., Otomo, W., Wakabayashi, I., Watanabe, S. and Yoda, K.: Contribution of flippers and dorsal fins to the lateral/directional inherent stability during straight-line swimming in small cetaceans. *Journal of Zoology*, 315, 165-174
- Oshiro, N., Tomikawa, T., Kuniyoshi, K., Ishikawa, A., Toyofuku, H., Kojima, T. and Asakura, H.: LC-MS/MS Analysis of Ciguatoxins Revealing the Regional and Species Distinction of Fish in the Tropical Western Pacific. *Journal of Marine Science and Engineering*, 9, 299-299
- S. Ichikawa, Y. Tsuge and S. Karita: Metabolome analysis of constituents in membrane vesicles for *Clostridium thermocellum* growth stimulation. *Microorganisms*, 9, 593
- Satoshi Yamamoto, Tsutomu Tsutsui, Tomoyuki Saguchi, Naoaki Tsutsui and Takao Yoshimatsu: Shell repair process as a health indicator in cultured Japanese pearl oyster *Pinctada fucata martensii*. *Aquaculture Science*, 69, 281-290

- Senevirathna, J.D.M., Yonezawa, R., Saka, T., Igarashi, Y., Yoshitake, K., Kinoshita, S., Funasaka, N. and Asakawa, S.: Another polymorphic mitochondrial genome of *Grampus griseus* and phylogeny of family Delphinidae. *Mitochondrial DNA Part B*, 6:9, 2569-2571
- Senevirathna, J.D.M., Yonezawa, R., Saka, T., Igarashi, Y., Funasaka, N., Yoshitake, K., Kinoshita, S. and Asakawa, S.: Selection of a reference gene for studies on lipid-related aquatic adaptations of toothed whales (*Grampus griseus*). *Ecology and Evolution*, 11(23), 17142-17159
- Senevirathna, J.D.M., Yonezawa, R., Saka, T., Igarashi, Y., Funasaka, N., Yoshitake, K., Kinoshita, S. and Asakawa, S.: Transcriptomic Insight into the Melon Morphology of Toothed Whales for Aquatic Molecular Developments. *Sustainability*, 13(24), 13997
- Seta, T. and Kurashima, A.: Exterminating *Sunamphitoe namhaensis* using carbon dioxide:in seawater for culturing brown algae *Sargassum horneri* seedlings. *Fisheries Science*, 21, 365-370
- Shevkani, K., Singh, N., Isono, N. and Noda, T.: Structural and functional properties of amaranth starches from residue obtained during protein extraction. *J. Food Meas. Charact.*, 15, 5087-5096
- Shibano, A., M. Kanaiwa, and M. Kai: Performance of a finite mixture model in CPUE standardization for a longline fishery with target change. *Fisheries Science*, 87, 465-477
- Shigeo HATTORI, Chisato SAITOU, Taiki IWAMATSU, Shizuka NAKAZAWA, Akitoshi ITO, Ken-ichiro SUEHARA, Atsushi HASHIMOTO and Yoshio NISHIDA: Characteristics of mirin made with Shochu koji. *Proceedings of the 13th International Workshop on Regional Innovation Studies*, , 47-50
- Shigenori Nobata, Shouji Houki, Takashi Kitagawa and Susumu Hyodo: Condition factor dependency of burst swimming ability between wild and hatchery-reared chum salmon fry (*Oncorhynchus keta*). *Ichthyological Research*, 69, 280-286
- Shigenori Nobata, Takashi Kitagawa, Shouji Houki, Motohiro Ito, Yoshinori Aoki, Katsufumi Sato and Susumu Hyodo: Relationships between maturational status and migration behavior of homing chum salmon *Oncorhynchus keta* in inner bays of the Sanriku coast. *General and Comparative Endocrinology*, 313
- Shimada, Y., Terasawa, M., Okazaki, F., Nakayama, H., Zang, L., Nishiura, K., Matsuda, K. and Nishimura, N.: Rhamnan sulphate from green algae *Monostroma nitidum* improves constipation with gut microbiome alteration in double-blind placebo-controlled trial. *Scientific reports*, 11, 13384
- Sugiura, Y., Katsuzaki, H., Imai, K. and Amano, H.: The Anti-Allergic and Anti-Inflammatory Effects of Phlorotannins from the Edible Brown Algae, *Ecklonia* sp. and *Eisenia* sp. *NATURAL PRODUCT COMMUNICATIONS*, 16
- Sugiura, Y., Kinoshita, Y., Misumi, S., Yamatani, H., Katsuzaki, H., Hayashi, Y. and Murase, N.: Correlation between the seasonal variations in phlorotannin content and the antiallergic effects of the brown alga *Ecklonia cava* subsp. *Stolonifera*. *ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS*, 58
- Sugiura, Y., Usui, M., Katsuzaki, H., Imai, K., Tanaka, R., Matsushita, T. and Miyata, M.: Dieckol isolated from a brown alga, *Eisenia nipponica*, suppresses ear swelling from allergic inflammation in mouse. *journal of food biochemistry*, 45
- Takahiko Aoki: Determination of the Bacteriostatic Activity of Glycophorin Preparations from Red Blood Cell(RBC) Membranes of Yellow Tail and Red Sea Bream. *Medical Research Archives*, 9, 1-6
- Takebayashi, S.I., Ryba, T., Wimbish, K., Hayakawa, T., Sakaue, M., Kuriya, K., Takahashi, S., Ogata, S., Hiratani, I., Okumura, K., Okano, M. and Ogata, M.: The Temporal Order of DNA Replication Shaped by Mammalian DNA Methyltransferases. *Cells*, 10, 266
- Tomohiro Itoh, Shingo Fujita, Mamoru Koketsu and Toshiharu Hashizume: Citrulluside H and Citrulluside T isolated from young watermelon (*Citrullus lanatus*) fruit attetuates UV-B- induced matrix

- metalloproteinases expression through the scavenging of generated reactive oxygen species in human dermal fibroblast. *Photodermatology, Photoimmunology & Photomedicine*, 00, 1-9
- Tsumura, R., Sawada, K., Kunitake, E., Sumitani, JI., Kawaguchi, T. and Tani, S.: A component of the septation initiation network complex, AaSepM, is involved in multiple cellulose-responsive signaling pathways in *Aspergillus aculeatus*. *Appl. Microbiol. Biotechnol.*, 105, 1535-1546
- Yoshida, Y., Inagaki, M. and Masuda, Y.: Solid-phase synthesis and bioactivity evaluation of chirimolacyclopeptide E. *J. Pept. Sci.*, e3308
- Yoshitake, K., Kimura, G., Sakami, T., Watanabe, T., Taniuchi, Y., Kakehi, S., Kuwata, A., Yamaguchi, H., Kataoka, T., Kawachi, M., Ikeo, K., Tan, E., Igarashi, Y., Ohtsubo, M., Watabe, S., Suzuki, Y., Asakawa, S., Ishino, S., Tashiro, K., Ishino, Y., Kobayashi, T., Mineta, K. and Gojobori, T.: Development of a time-series shotgun metagenomics database for monitoring microbial communities at the Pacific coast of Japan. *Scientific Reports*, 11, 12222
- Yuichi Arai, Minoru Kanaiwa, Mio Kato and Mari Kobayashi: Morphological identification in skull between spotted seal and harbor seal using geometric morphometrics. *Journal of Morphology*, 282, 1455-1465
- Yuki Ohno, Shiori Kondo, Kiho Tajima, Tohshiyuki Shibata and Tomohiro Itoh: Effect of Phlorotannins Isolated from *Eisenia bicyclis* on Melanogenesis in Mouse B16 Melanoma Cells. *Natural Product Communications*, 16, 1-9
- Zang, LQ., Kagotani, K., Nakayama, H., Bhagat, J., Fujimoto, Y., Hayashi, A., Sono, R., Katsuzaki, H., Nishimura, N. and Shimada, Y.: 10-Gingerol Suppresses Osteoclastogenesis in RAW264.7 Cells and Zebrafish Osteoporotic. *Frontiers in cell and developmental biology*, 9
- Zang, LQ., Shimada, Y., Nakayama, H., Katsuzaki, H., Kim, Y., Chu, DC., Juneja, LR., Kuroyanagi, J. and Nishimura, N.: Preventive Effects of Green Tea Extract against Obesity Development in Zebrafish. *molecules*, 26
- Daniel J Klionsky...Umekawa Midori...et al.: Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, 17, 1-382
- 伊藤健二, 伯耆匠二, 高原輝彦, 菅原巧太朗: 2021年日本ベントス学会・日本プランクトン学会合同大会自由集会「環境DNAを使ったベントス研究の現状: 実際, どの程度使えるものなのか?」開催報告. *日本ベントス学会誌*, 76, 135-136
- 岩路仁, 石田拓也, 福崎智司: 亜塩素酸ナトリウム水溶液および二酸化塩素水溶液によるEPDMの引張特性の劣化. *日本ゴム協会誌*, 94, 359-364
- 橋本篤: 無駄による効率化?. *生物工学会誌*, 99, 618-618
- 橋本篤, 末原憲一郎, 亀岡孝治: 赤外分光情報に基づいた食品の特性把握. *フォトニクスニュース*, 7, 114-118
- 古山歩, 神田育子, 吉岡基: 三重県志摩市に漂着したコマッコウ *Kogia breviceps* の調査所見および胃内容物の記録. *漂着物学会誌*, 19, 20-22
- 古山歩, 淀太我, 船坂徳子, 若林郁夫, 大池辰也, 吉岡基: 伊勢・三河湾系スナメリにみられた炭素安定同位体比の経年低下. *日本水産学会誌*, 87, 163-165
- 三浦一輝, 町田善康, 金岩稔, 山本敦也: 美幌町内河川におけるカワシンジュガイ属2種 (*Margaritifera laevis* および *Margaritifera togakushiensis*) の生息. *美幌博物館研究報告*, 28, 7-14
- 山本敦也, 片平浩孝, 増淵隆仁, 田中智一郎, 渡邊典浩, 金岩稔: PIT タグを用いた三重県宮川から支流大内山川への天然遡上アユの河川内移動評価. *応用生態工学*
- 柴田敏行: 授業名: 水産食品化学. *PBL 実践資料集「多様な PBL の実践事例と 7step からの検討—PBL の質的充実に向けて—」*
- 神田育子, 古山歩, 若林郁夫, 若井嘉人, 船坂徳子, 吉岡基: 伊勢湾西岸における 2011~2020 年のスナメ

- りのストランディングに関する記録．三重大学大学院生物資源学研究科紀要，47，13-23
- 生野彰宏，南川佑太，竹林慎一郎，奥村克純：葉酸欠乏によって起こる複製依存的 DNA 低メチル化と DNA 損傷との関連性．日本食品化学学会誌，28，23-32
- 石川達也，竹内大介，玉山（加藤）葉，倉島彰：三重県早田浦のガンガゼ類除去区における海藻被度，ウニ類相および有用貝類個体密度の変化．日本水産学会誌
- 千藤咲，森阪匡通，若林郁夫，村上勝志，吉岡基：飼育下のスナメリで観察された，長期的で頑強な個体間関係．哺乳類科学，61，169-177
- 川原田直也，黒田克利，川上拓，中嶋香織，近藤誠，橋本篤：飼料用米における玄米乾燥後の玄米水分の違いが野外保管条件下における保管内の相対湿度，玄米水分，糸状菌に及ぼす影響．日本草地学会誌，67，82-93
- 中村幸翼，堀田始，林智裕，石田陽子，吉田真司，福崎智司：弱アルカリ性次亜水を用いた強制通風気化装置の稼働における気体状次亜塩素酸の室内濃度と殺菌作用．J. Environ. Control Technique, 39, 300-305
- 中村幸翼，林智裕，石田陽子，堀切茂俊，吉田真司，福崎智司：強制通風気化システムにおけるアルカリ性条件下での次亜塩素酸とモノクロラミンの揮発性と殺菌作用．日本防菌防黴学会誌，49，3-9
- 田丸浩：ゼブラフィッシュ実験ガイド．日本生物工学会誌，99，57-57
- 田丸浩，小幡宏志郎，山田紗理奈：魚類免疫系を活用した一本鎖抗体取得システムの開発．月刊「細胞」，53，38-41
- 田中礼士：海洋細菌を用いたバイオリファイナー．日本防菌防黴学会誌，49，527-532
- 田中恵祐，長谷諒佑，成松絢葉，落合徹，新井田康朗，高橋和宏，福崎智司：不織布に吸水させた水と荷重が拭き取り洗浄性に及ぼす影響．食品加工技術，40，79-84
- 伯耆匠二：消化管内容物の走査型電子顕微鏡観察に基づく二枚貝浮遊幼生の食性解析．日本水産学会誌，87，424-426
- 伯耆匠二：微細藻類の「大きさ」と「堅さ」に着目した二枚貝の食性研究．アグリバイオ
- 福崎智司：次亜塩素酸を基礎とする洗浄・殺菌の理論．日本防菌防黴学会誌，49，619-625
- 福崎智司，辻本斐奈子，吉田すぎる，吉田真司，林智裕，石田陽子：シリコーンゴムを透過した気体状次亜塩素酸によるプラスチック材料に収着したクルクミンの脱色．J. Environ. Control Technique, 39, 56-62
- 福崎智司：コロナ禍における次亜塩素酸水溶液を巡る大騒動の真実（前編）．J. Environ. Control Technique, 39, 244-250
- 北夕紀，佐々木萌美，立川利幸，十万仁志，寺沢文男，小木万布，酒井麻衣，村山美穂，森阪匡通，神田育子，吉岡基：定住海域以外に出現したミナミハンドウイルカ様個体の種判別および種間交雑の可能性．DNA 多型，29，5-11
- 堀沙那恵，岡崎文美：ヒト腸内細菌 *Bacteroides cellulosilyticus* による海藻多糖 β -1,3-キシランの資化機構—分泌型 β -1,3-キシラーゼの機能解析—．第73回 日本生物工学会大会 トピックス集，16
- 野嶋駿，福崎智司：弱酸性次亜水の超音波霧化微細粒子の至近距離での殺菌効果．J. Environ. Control Technique, 39, 306-310
- 淀太我：日本の野生メダカを守る—正しく知って正しく守る—．魚類学雑誌，68，67-68

附属教育研究施設等

- Makoto Kondo, Randi Mulianda, Masaya Matamura, Toshiyuki Shibata, Takashi Mishima, Anuraga Jayanegara and Naoto Isono: Validation of a phenol-sulfuric acid method in a microplate format for the quantification of soluble sugars in ruminant feeds. *Animal Science Journal*
- Ohashi, S., Kurita, H., Takahashi, Y., Nagasuga, K., Nagaya, Y. and Umezaki, T.: Varietal difference of soybean plant type focus on petiole. *Plant Production Science*, 24, 103-108
- Enokizu, A., Morisaka, T., Murakami, K., Sakurai, N., Ueda, N. and Yoshioka, M.: Yawn-like behavior in captive common bottlenose dolphins (*Tursiops truncatus*). *Behavioural Processes*, 189, 104444
- 加藤垂里紗, 唐澤丈, 吉井達樹, 沼本晋也, 松村直人: スギ高齢人工林を対象とした樹高と樹冠情報を用いた胸高直径の推定精度の検討. 第11回中部森林学会講演要旨集
- 橋口喬太, 岡辺拓巳, 武若聡: オープン衛星画像と漁船ビッグデータによる浅羽海岸の海岸地形モニタリング. 土木学会論文集 B2 (海岸工学), Vol. 77 No. 2, I_1093-I_1098
- 松田浩一: (書評) イセエビの総合誌 ~パックホースの視点から~. 日本水産学会誌
- 長菅輝義: 微生物を活用して無肥料・無農薬栽培したダイズの子実生産と虫害感受性. *アグリバイオ*, 5, 66-68
- 唐澤丈, 吉井達樹, 沼本晋也, 松村直人: 210年生スギ人工林の成長解析: 三重大学附属平倉演習林藤堂スギ林分の事例. 第10回中部森林研究, 69, 63-66
- 瀧上佑樹: 木造建築物の温室効果ガス排出量 ~非住宅分野における他工法との比較~. *三重の林業*, 423, 11-12
- 千藤咲, 森阪匡通, 若林郁夫, 村上勝志, 吉岡基: 飼育下のスナメリで観察された, 長期的で頑強な個体間関係. *哺乳類科学*, 61, 169-177
- 北夕紀, 佐々木萌美, 立川利幸, 十万仁志, 寺沢文男, 小木万布, 酒井麻衣, 村山美穂, 森阪匡通, 神田育子, 吉岡基: 定住海域以外に出現したミナミハンドウイルカ様個体の種判別および種間交雑の可能性. *DNA 多型*, 29, 5-11