

List of Fellows Selected through Open Recruitment in Japan

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the 1st recruitment of FY2019-2020 JSPS Postdoctoral Fellowship for Research in Japan (Standard). Under this recruitment, 1127 applications were received, among which 120 fellowships were awarded. Notification of the selection results will be made in writing to the head of the applying institution in December, 2018. An award letter will be sent to the successful candidates in the middle of January, 2019. Unsuccessful candidates are not directly notified of their selection results. However, applicants (host researchers) can see their approximate ranking among all the applications through the JSPS Electronic Application System. Individual requests for selection results are not accepted.

| Fellow | | | Nationality | Host Researcher | Host Institution | Research Theme |
|--------------|-------------|-------------|-----------------------------|--------------------|-------------------------------|--|
| Family Name | First Name | Middle Name | | | | |
| KOŁODZIEJ | Magdalena | Patrycja | GERMANY | Doshin SATO | Tokyo University of the Arts | Studies of the Imperial Art World of Modern Japan |
| KOWALCZYK | Beata | Maria | POLAND | Mitsuyoshi NUMANO | The University of Tokyo | Nihon no sakka: Constructing Literary Careers in the Japanese Literary World |
| ROH | Junia | | KOREA (REP. OF KOREA) | Seishi NAMIKI | Kyoto Institute of Technology | A Study on the Invention of Locality of Japanese Craft in Meiji era |
| JAMMO | Sari | | SYRIA | Yoshihiro NISHIAKI | The University of Tokyo | Investigating human behavior during the Neolithization intra/beyond the Fertile Crescent |
| SIM | Jeongmyoung | | KOREA (REP. OF KOREA) | Ichiro TOMIYAMA | Doshisha University | Reading Genbaku Literature as World Literature: Toward Transnational Mourning and Memory |
| KHALMIRZAEVA | Saida | | UZBEKISTAN | Hiroshi HYOHDOH | Gakushuin University | The Oral Tradition of the Blind Musicians of Kyushu: History, Form, and Function |
| LIAO | Mingfei | | CHINA | Hidemi HASHIMOTO | Aoyama Gakuin University | Research on the Ritual Studies in the Early and Middle Qing Dynasty |
| LI | Naiqi | | CHINA | Toshinori OCHIAI | ICPBS | A comparative study of the Dunhuang manuscripts, Yiqiejingyinyi, and Old Japanese Sutras |

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Social sciences

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|----------------|------------|-------------|-----------------------------|--------------------|--|---|
| Family Name | First Name | Middle Name | | | | |
| SO | Hongbum | | KOREA (REP. OF KOREA) | Kazuhiro NAKATANI | The University of Tokyo | Study on the Scope of National Regulatory Autonomy in International Investment Law |
| BOWEN | Kimberly | Suzanne | U.S.A. | Yukiko UCHIDA | Kyoto University | Vagal tone as a unifying mechanism for mental and physical health in Japan |
| EDWARDS | Sachi | Teresa | U.S.A. | Yuto KITAMURA | The University of Tokyo | Internationalization of Higher Education and the Experiences of International Students in Japan |
| LIN | Cheng yu | | TAIWAN | Yoshihiro MISAKA | Osaka University | Comparative legal History of criminal justice in Taiwan and South Korea from 1895 to 1949 |
| KITHINJI | Kinyua | Laban | KENYA | Yasuhito ASAMI | Hosei University | Political Economy of Mobile Phone Money Exchange Technology in Kenya: Implications for Japanese ODA |
| TUPAS | Fernan | Peniero | PHILIPPINES | Toshihiko MATSUURA | NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY OF EDUCATION | Exploring Local Marine Resources as Instructional Materials in Science in Japan and the Philippines |
| DA SILVA EHALT | Romulo | | BRAZIL | Shinzo KAWAMURA | Sophia University | Jesuit mission of the early modern Japan and moral theological issues |
| ANUGRAH | Iqra | | INDONESIA | Masaaki OKAMOTO | Kyoto University | Agrarian Politics in Contemporary Indonesia: Decentralized Politics, Dispossession, Countermovement |

List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

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| Family Name | First Name | Middle Name | | | | |
| JIANG | Jian | | CHINA | Masaomi TANAKA | Tohoku University | Studying rapid transients with high-cadence wide-field surveys |
| GARCIA SAENZ | Sebastian | | CHILE | Shinji MUKOHYAMA | Kyoto University | Classical theories of gravity: beyond general relativity and cosmology |
| CAI | Yuanqing | | CHINA | Atsushi ICHINO | Kyoto University | Automorphic L-functions and generalized theta correspondences |
| LIU | Qian | | CHINA | Toshiaki TSUNOGAE | University of Tsukuba | Petrology and tectonics of the Central Asian Orogenic Belt |
| HU | Yuanchao | | CHINA | Hajime TANAKA | The University of Tokyo | Structural mechanisms of crystallization and complex-liquid behaviors of phase change materials |
| GAISIN | Ildar | Maratovich | AUSTRALIA | Naoki IMAI | The University of Tokyo | Deligne-Lusztig varieties and the Fargues-Fontaine curve |
| VILELLA | Kenny | | FRANCE | Shunichi KAMATA | Hokkaido University | Long-term evolution of icy satellites: coupling between icy layers and subsurface oceans |
| CAUQUOIN | Alexandre | Philippe | FRANCE | Kei YOSHIMURA | The University of Tokyo | Development of water isotope incorporated Earth System Model and first Euro-Japan intercomparison |
| HUMAIR | Thibaud | | SWITZERLAND | Toru IJIMA | Nagoya University | Search for New Physics in Tauonic B decays using the Belle II detector |
| BRANDNER | Kay | | GERMANY | Keiji SAITO | KEIO UNIVERSITY | Non-equilibrium Thermodynamics of Collective Quantum Matter |
| MCGADY | David | Alexander | U.S.A. | Masahito YAMAZAKI | The University of Tokyo | Symmetries, old and new, and their consequences in quantum field theory |

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| Family Name | First Name | Middle Name | | | | |
| CHEN | Yehong | | CHINA | Franco NORI | RIKEN | Accelerated quantum control methods |
| BURAGOHAIN | Mridusmita | | INDIA | Itsuki SAKON | The University of Tokyo | Understanding the nature of interstellar PAHs based on a combined approach |
| ZHANG | Peng | | CHINA | Takeshi KONDO | The University of Tokyo | Study of topological superconductors using laser photoelectron spectroscopy |
| SSESSANGA | Nicholas | | UGANDA | Mamoru YAMAMOTO | Kyoto University | 4-D tomographic investigation of equatorial and mid-latitude ionospheric irregularities |

List of Fellows Selected through Open Recruitment in Japan

Chemistry

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| Family Name | First Name | Middle Name | | | | |
| CHAOLUMEN | | | CHINA | Kenichiro ITAMI | Nagoya University | Synthesis and Application of Nanocarbons Containing Five-, Seven-, and Eight-Membered Rings |
| KARAD | Somnath | Narayan | INDIA | Hideki YORIMITSU | Kyoto University | Development and applications of promising silylating agent with exquisite reactivity and stability |
| KONINTI | Raj Kumar | | INDIA | Ken ONDA | Kyushu University | Controlling excited-state proton transfer dynamics using nanocavity engineering |
| WAN | Xian | Kai | CHINA | Mizuki TADA | Nagoya University | Synthesis and Electrocatalysis of Atomically Precise Pt-Ni Alloy Nanoclusters for Fuel Cell |
| CHOI | Heekyoung | | KOREA (REP. OF KOREA) | Shigehiro YAMAGUCHI | Nagoya University | Dynamic Control over Helical Self-Assembly of Boron-Containing pi-System and its Bio-Application |
| WANG | Yang | | CHINA | Kazuo TAKIMIYA | RIKEN | Investigation of thermoelectric properties among rylene diimide based n-type organic semiconductors |
| IHSAN | Abu | Bin | BANGLADESH | Yasuhito KOYAMA | Toyama Prefectural University | Alternating peptides-based tough and viscoelastic adhesive materials for healthcare applications |
| KHURELBAATAR | Zagarzusem | | MONGOLIA | Junji NISHII | Hokkaido University | Fabrication of Nano-structured photonic devices |
| BOUBES | Amine | | FRANCE | Masataka NAGAOKA | Nagoya University | Theoretical Design of Advanced Non-Flammable Electrolyte with Appropriate Additives for Safe Battery |
| LEE | Jet-sing | Martin | UNITED KINGDOM | Hiroshi SATO | The University of Tokyo | Development of stimuli-responsive hydrogen-bonded organic frameworks |
| VEQUIZO | Junie jhon | Magdadaro | PHILIPPINES | Kazunari DOMEN | Shinshu University | Unraveling the Fundamental Processes in Semiconducting Materials for Highly Active Photocatalysts |

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Chemistry

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| Family Name | First Name | Middle Name | | | | |
| POURNAGHSHB AND ISFAHANI | Ali | | IRAN | Easan SIVANIAH | Kyoto University | Magnetic separation of oxygen from air |
| GHOSH | Samrat | | INDIA | Shuhei SEKI | Kyoto University | Development of [2.2]Paracyclophane based Crystalline Covalent Organic Frameworks |

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|-------------------|---------------|---------------------|---|--------------------|-------------------------------|--|
| Family Name | First Name | Middle Name | | | | |
| GE | Jiuhao | | CHINA | Noritaka YUSA | Tohoku University | Three-dimensional profile reconstruction of a natural SCC colony through electromagnetic NDT methods |
| LIM | Poon Nian | | SINGAPORE | Mamoru AIZAWA | MEIJI UNIVERSITY | Novel Infection Models for Development of Artificial Bone with Antibacterial and Osteogenic Efficacy |
| ZHOU | Chuncaai | | CHINA | Keiko SASAKI | Kyushu University | Solidification/stabilization of heavy metals using cementitious materials based on industrial wastes |
| CHIU | Wan Ting | | TAIWAN | Hiroshi TOSHIYOSHI | The University of Tokyo | Enhancing stability and selectivity of self-powered gas sensors by nano-Au/ZnO decorated polyaniline |
| ZHANG | Yuqiao | | CHINA | Hiromichi OHTA | Hokkaido University | Phonon transport properties of thermoelectric oxide films and superlattices |
| MALLICK | Arijit | | INDIA | Nobuhiro YANAI | Kyushu University | Creation of soft nanomaterials showing photon upconversion |
| ABUTAHA | Fuad | Ym | PALESTINE LIBERATION ORGANIZATI ON | Takafumi NOGUCHI | The University of Tokyo | Effect of Alkaline Activators and Binder on the Properties of Volcanic Ash-based Geopolymer Mortar |
| TALCHABHADEL | Rocky | | NEPAL | Kenji KAWAIKE | Kyoto University | Integrated modelling for sediment management in a watershed of dynamic land use |
| MAKKI ALAMDARI | Mehrisadat | | AUSTRALIA | Chul-woo KIM | Kyoto University | Multi-Way Tensor Analysis for Bridge Damage Identification Using Responses of a Moving Vehicle |
| ROSTI | Marco Edoardo | | ITALY | Shu TAKAGI | The University of Tokyo | Large-scale numerical simulation of gas-solid-liquid flow in air-lift pump for deep-sea mining |
| ELSAMADONY | Mohamed | Mahmoud Abd Elmgeed | EGYPT | Manabu FUJII | Tokyo Institute of Technology | Adsorption treatment using carbon nanocomposite for removal of persistent organic micropollutants |

List of Fellows Selected through Open Recruitment in Japan

Engineering sciences

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| Family Name | First Name | Middle Name | | | | |
| CAO | Xian | | CHINA | Osamu NISHIMURA | Tohoku University | Innovation of a Coupled Bioelectrochemical System to Restore Contaminated Sea Bottom Sediment |
| HU | Lei | | CHINA | Masaki AZUMA | Tokyo Institute of Technology | Investigation of metal-insulator transition and negative thermal expansion in layered ruthenates |
| BARAKAT | Adel | Tawfik mohamed mohamed | EGYPT | Ramesh POKHAREL | Kyushu University | Compact WPT system for concurrent transfer of data and power using metamaterial diplexer receiver |
| LIU | Chong | | CHINA | Kenichi SHIMIZU | Hokkaido University | Unraveling the complexity of methane dehydroaromatization for novel catalysts design |
| DAS | Raja | | INDIA | Kenichi UCHIDA | National Institute for Materials Science | Nano Spin Caloritronics |
| CHANDEL | Arvind | Kumar singh | INDIA | Taichi ITO | The University of Tokyo | Development of new injectable hydrogels with anti-adhesive, hemostatic, and antimicrobial properties |
| TRISNANTO | Suko Bagus | | INDONESIA | Yasushi TAKEMURA | Yokohama National University | Analysis of magnetization dynamics of magnetic nanoparticles for new diagnostic imaging technology |
| ANNAMALAI | Prathap | | INDIA | Yasuhiro ISHIDA | RIKEN | Piezoelectric Soft Materials Based on Magnetically Oriented Cellulose Nanocrystals |
| GANGANBOINA | Akhilesh | Babu | INDIA | Enoch y. PARK | National University Corporation Shizuoka University | Signal-amplified two-way detection of virus using nanoparticles-embedded polymer nanovesicle |
| KIM | Sangwook | | KOREA (REP. OF KOREA) | Satoshi WADA | University of Yamanashi | Development of Medical High-piezoelectric Materials using MPB and Ion's Off-centering Mechanism |
| BASU | Tuhin | Shuvra | INDIA | Ryoma HAYAKAWA | National Institute for Materials Science | Vertical spin transistors with organic molecules as quantum dots: Futuristic spintronics device |

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Engineering sciences

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| Family Name | First Name | Middle Name | | | | |
| EMRAN | Mohammed | Youssef Mahmoud | EGYPT | Sherif EL-SAFETY | National Institute for Materials Science | Low-power energy, portable nano-sensor chipset devices as early-stage diagnoses of neuronal diseases |
| MAITI | Debabrata | | INDIA | Kanjiro MIYATA | The University of Tokyo | Development of nanocapsules loaded with scintillating particles for radiotherapy |
| YU | Yi-lin | | TAIWAN | Nobuo GOTO | Tokushima University | Optical fiber sensor with high sensitivity for simultaneous multiple parameters and points detection |
| BHANJA | Piyali | | INDIA | Yusuke YAMAUCHI | National Institute for Materials Science | Design and synthesis of novel mesoporous metal oxides and phosphates |
| BALCYTIS | Armandas | | LITHUANIA | Toshihiko BABA | Yokohama National University | Photonic crystal nanolaaser and its applications |
| CARVAJAL | Thaddeus | Marzo | PHILIPPINES | Kozo WATANABE | Ehime University | Genetic Inference of Flood-driven Population Expansion of Dengue Vector Mosquitoes in Urban Cities |
| RANA | Md masud | | BANGLADESH | Tetsuya SHIMAMURA | SAITAMA UNIVERSITY | Signal Processing Based Optimal Filtering Techniques for Cyber Physical Systems |
| JIANG | Bo | | CHINA | Yoshio SAKKA | National Institute for Materials Science | New Functional Ceramic Membranes Using Nanoporous Noble Metals |
| DOU | Jie | | CHINA | Takaaki IKEDA | Nagaoka University of Technology | Cognitive modeling for dynamic long-term landslide assessment associated with extreme events |
| MANI | Ganesh | Kumar | INDIA | Kazuyoshi TSUCHIYA | Tokai University | Next Generation Implantable Nanosensor Technology for Monitoring Single Cell Metabolites |
| WANG | Bin | | CHINA | Minehiro NISHIYAMA | Kyoto University | High-resilient rocking wall-frame structural systems with hybrid damping devices for earthquake load |

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|-------------|------------|-------------|-------------|--------------------|-------------------------|--|
| Family Name | First Name | Middle Name | | | | |
| FAERBER | Michael | Josef | GERMANY | Adam JATOWT | Kyoto University | Scientification - Recommending Citations for Texts |
| ROSMANIS | Ansis | | LATVIA | Francois LEGALL | Kyoto University | Theoretical Investigations of Quantum Supremacy |
| KUMAR | Prasanth | | INDIA | Kam ZHANG | RIKEN | Knowledge-guided Scoring Scheme for Protein-Ligand Environments using Machine Learning Framework |
| QIAN | Kun | | CHINA | Yoshiharu YAMAMOTO | The University of Tokyo | Deep Learning for Intensive Longitudinal Biomedical Signals and its Health Related AI Applications |
| KEENAN | Sumir | | U.S.A. | Shinya YAMAMOTO | Kyoto University | Gesture and vocalization of bonobos: Comparative cognitive study on the evolution of communication |

List of Fellows Selected through Open Recruitment in Japan

Biological sciences

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| Family Name | First Name | Middle Name | | | | |
| WILLOT | Quentin | | BELGIUM | Fumiaki OBATA | The University of Tokyo | Mechanisms of metabolic homeostasis conferring thermotolerance to desert ants |
| EVANS | Maldwyn | John | AUSTRALIA | Tadashi MIYASHITA | The University of Tokyo | The urban functional landscape: the effect of urbanisation on ecosystem services provided by insects |
| YIN | Xiaofeng | | CHINA | Hirokazu TSUKAYA | The University of Tokyo | Mechanisms of flattening growth regulation in unifacial leaves by PRS genes |
| KIM | Jaewook | | KOREA (REP. OF KOREA) | Tomonao MATSUSHITA | Kyushu University | Molecular mechanism of alternative promoter selection by phytochrome |
| AHMED | Ayman | Khamis Elsayed Esmail | EGYPT | Atsushi KAWAKITA | The University of Tokyo | Diversity and coevolution of mutualism between plants and pollinating gall midges |
| SARABIAN | Cecile | Anna | FRANCE | Andrew MACINTOSH | Kyoto University | Cognitive and physiological responses to disgust elicitors in chimpanzees |
| CHEN | Eric | Chun-Hung | CANADA | Wataru IWASAKI | The University of Tokyo | Genomic basis of adaptive advantages of autopolyploids and allopolyploids |
| HEIM | Olga | | GERMANY | Shizuko HIRYU | Doshisha University | Movement ecology of bats in human-altered landscapes revealed by light-weight acoustic GPS loggers |
| SU | Shihao | | CHINA | Tetsuya HIGASHIYAMA | Nagoya University | Revealing action mechanism of bioactive sugar chain AMOR in pollen tube guidance using <i>Torenia</i> |

List of Fellows Selected through Open Recruitment in Japan

Agriculture/Environmental sciences

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| Family Name | First Name | Middle Name | | | | |
| MASUM | Md. Abdul | | BANGLADESH | Yasuhiro KON | Hokkaido University | Role of novel lymphoid tissues found in mouse urinary tract |
| ZHOU | Yaoyu | | CHINA | Keiko SASAKI | Kyushu University | MOF-derived carbons-based nanocomposites for degradation of organoarsenic compounds |
| ISLAM | Md rakeb-ul | | BANGLADESH | Hideyuki IMAI | University of the Ryukyus | Pattern of movement and connectivity of sparid fish, <i>Acanthopagrus</i> spp. across Ryukyu islands, Japan |
| XU | Haibo | | CHINA | Yoichi HONDA | Kyoto University | Phase specific omics on wood wafers and genome editing elucidate mechanism for white rot |
| PHAN | Chin Soon | | MALAYSIA | Tatsufumi OKINO | Hokkaido University | Integrating molecular network and co-culture to target antialgal peptides of Malaysian cyanobacteria |
| MOUSTAFA | Mohamed | Abdallah Mohamed | EGYPT | Ryo NAKAO | Hokkaido University | Analysis of pathobiomes of ticks and animals in relation to infection risk in wildlife communities |
| VIBHUTE | Amol | Madhukar | INDIA | Hirumune ANDO | Gifu University | Photocatalytic stereoselective glycosylation of 2-deoxysugar and synthesis of Mithramycin |
| MA | Haiyuan | | CHINA | Takuro KOBAYASHI | National Institute for Environmental Studies | Resource recycling system combining anaerobic digestion and ANAMMOX using HAP-forming granules |
| SUN | Zhifang | | CHINA | Tsuguyuki SAITO | The University of Tokyo | Stretch-Tolerant, High Tensile Strength Aerogels Embedded with Oriented Cellulose Nanofibers |
| AHMED | Haney | Samir Mohamed Mohamed Sayed | EGYPT | Gen WATANABE | Tokyo University of Agriculture and Technology | Micro RNAs as biomarkers for enhancement of female reproduction |
| DASTOGEER | Khondoker Mohammad Golam | | BANGLADESH | Shin OKAZAKI | Tokyo University of Agriculture and Technology | Engineering of synthetic and functional rice microbiome that confers resistance to pathogen |

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| Family Name | First Name | Middle Name | | | | |
| WANG | Fanmiao | | CHINA | Makoto MATSUOKA | Nagoya University | GxE Genome-wide association studies for Nitrogen use efficiency in rice |
| DUCONSEILLE | Anne | | FRANCE | Michiyo MOTOYAMA | National Agriculture and Food Research Organization | Sensing protein oxidation by spectroscopy -Find a marker from nutrition and digestion point of view- |
| GRAMAZIO | Pietro | | ITALY | Hiroshi EZURA | University of Tsukuba | Molecular and physiological elucidation of GABA metabolism in melon |
| ANDRIAMANOHI ARISOAMANANA | Fetra | Jules | MADAGASCAR | Ikko IHARA | Kobe University | Metal particle-assisted anaerobic digestion: degradation of antibiotic residue in animal manure |
| FEREIG | Ragab | Makhlouf mahmoud | EGYPT | Yoshifumi NISHIKAWA | Obihiro University of Agriculture and Veterinary Medicine | Development of rapid immunochromatographic assay as a diagnostic tool for bovine cryptosporidiosis |
| ISLAMUDDIN | Mohammad | | INDIA | Kentaro KATO | Obihiro University of Agriculture and Veterinary Medicine | Studies on innate immune responses to vector-borne virus |
| KHAN | Bayezid mahmud | | BANGLADESH | Ismail RAHMAN | Fukushima University | Study of cesium- and strontium-tolerant plants and explore the role of gene for the tolerance |

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| Family Name | First Name | Middle Name | | | | |
| SAHKER | Ethan | Kyle | U.S.A. | Toshiaki FURUKAWA | Kyoto University | Optimization of smartphone cognitive-behavior therapy to improve campus mental health |
| LIU | Zhuoming | | CHINA | Yasushi KAWAGUCHI | The University of Tokyo | Genetic dissection of HSV-1 host factors through genome-scale CRISPR-Cas9 screens |
| LEE | Joonseong | | KOREA (REP. OF KOREA) | Takuya YAMAMOTO | Kyoto University | RNA secondary structure and protein translation in pluripotent stem cells |
| SUN | Xian | Liang | CHINA | Shoji NAKAYAMA | National Institute for Environmental Studies | Investigation of chemical mixture effects on children's health in e-waste recycling process |
| FARAHAT | Mahmoud | Ibrahim | EGYPT | Takuya MATSUMOTO | Okayama University | Modulation of 3D organoids differentiation using novel chemically-loaded hydrogel nanoparticles |
| CHEN | Yuting | | CHINA | Azusa INOUE | RIKEN | Exploring polycomb-mediated genomic imprinting in human and its application to ART |
| ABBASI | Saed | Amjad yousef | JORDAN | Kazunori KATAOKA | Institute of Industrial Promotion Kawasaki | In vivo genome editing using hepatocyte-targeted RNA delivery system |
| WAISE | T m zaved | | BANGLADE SH | Masamitsu NAKAZATO | University of Miyazaki | Functional interaction between ghrelin and glucagon like peptide 1 regulates feeding through vagal |
| ELGENDY | Emadeldin | Mohamed fouad mohamed | EGYPT | Takaaki NAKAYA | KPUM | Unveiling mechanism of novel influenza emergence for enhanced control strategy in the Middle East |
| BERMEJO NIEVAS | Enrique | | SPAIN | Kazuhiko IMAIZUMI | National Research Institute of Police Science | Deep Learning for Craniofacial Superimposition, a Forensic Identification technique |
| TAK | Raj | Kumar | INDIA | Masakatsu SHIBASAKI | Microbial Chemistry Research Foundation | Development of Backbone Modification of Peptides and Proteins |