

# JSPS Postdoctoral Fellowship for Overseas Researcher

## FY 2018 Chemistry

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
USOV, P.  AUSTRALIA	Utilisation of Isocyanide-based Ligands for the Construction of Conductive Coordination Frameworks	Tokyo Institute of Technology KAWANO, Masaki Professor School of Science	Apr 9, 2018~ Apr 8, 2020	Kanto Tokyo
KHAN, S.  CAMBODIA	Development of QDs/nanosheet heterostructures for visible-light photocatalysis for water-splitting	Tokyo University of Science KATSUMATA, Kenichi Associate Professor Research Institute for Science & Technology	Nov 20, 2018~ Nov 19, 2020	Kanto Chiba
LI, Y.  CHINA	Visible Light Mediated Cyclodehydrogenation of Arenes	Nagoya University ITAMI, Kenichiro Professor Institute of Transformative Bio-Molecules	Apr 1, 2018~ Mar 31, 2020	Chubu Aichi
WANG, J.  CHINA	Architectural design of layered nanomaterials with mesopores for energy storage devices	National Institute for Materials Science YAMAUCHI, Yusuke Group Leader International Center for Materials Nanoarchitectonics (MANA)	Jun 1, 2018~ May 31, 2020	Kanto Ibaraki
ZHOU, W.  CHINA	Synthesis of Chiral Half-Sandwich Rare-Earth Complexes and Application to nantioselective Reactions	RIKEN HOU, Zhaomin Chief Scientist Organometallic Chemistry Laboratory, Cluster for Pioneering Research	Apr 1, 2018~ Mar 31, 2020	Kanto Saitama
LI, W.  CHINA	Dearomative Functionalization of Arenes by Rare-Earth-Catalyzed C-H Additions	RIKEN HOU, Zhaomin Chief Scientist RIKEN Cluster for Pioneering Research	Nov 27, 2018~ Nov 26, 2020	Kanto Saitama
MO, Z.  CHINA	Synthesis of New Titanium Complexes for Application to Dinitrogen Activation	RIKEN HOU, Zhaomin Chief Scientist RIKEN Cluster for Pioneering Research	Oct 1, 2018~ Sep 30, 2020	Kanto Saitama
YAO, M.  CHINA	Development of Room Temperature-Operative Chemiresistive Sensors by MOF-on-MOF Multilayer Thin Films	Kyoto University KITAGAWA, Susumu Distinguished Professor Kyoto University Institute for Advanced Study	Nov 25, 2018~ Nov 24, 2020	Kinki Kyoto

ZHENG, Q.       CHINA	Synthesis of Fire-Extinguishing High-Voltage Electrolytes for Safe Batteries	The University of Tokyo YAMADA, Atsuo Professor School of Engineering	Oct 1, 2018~ Sep 30, 2020	Kanto Tokyo
HAASE, F.       GERMANY	Dynamic covalent chemistry on metal-organic polyhedra towards fabricating soft porous materials	Kyoto University FURUKAWA, Shuhei Associate Professor Institute for Advanced Study	Jun 3, 2018~ Sep 2, 2020	Kinki Kyoto
KRANTHIRAJA, K.       INDIA	Design and characterization of multi-use organic molecules for photoelectric conversion	Osaka University SAEKI, Akinori Associate Professor Graduate School of Engineering	Sep 25, 2018~ Sep 24, 2020	Kinki Osaka
MANNA, B.       INDIA	Preparation of MOF-Polymer Hybrids for Enhanced and High Anisotropic Protonic Conductivity	The University of Tokyo UEMURA, Takashi Associate Professor Graduate School of Frontier Science	Jul 1, 2018~ Jun 30, 2020	Kanto Chiba
REJA, S. I.       INDIA	Cysteine protease activated chemical toolboxes for intravital imaging of bone metastasis	Osaka University KIKUCHI, Kazuya Professor Graduate School of Engineering	Jun 3, 2018~ Jun 2, 2020	Kinki Osaka
BAGAL, D. B.       INDIA	Synthesis of non-standard peptides by dehydration catalysts mimicking triphosphate of ATP	Nagoya University SAITO, Susumu Professor Graduate School of Science	Nov 1, 2018~ Oct 31, 2020	Chubu Aichi
BASUMATARY, B.       INDIA	Synthesis of hexa-coordinated doubly N-confused porphyrins toward Cu(IV)	Kyushu University FURUTA, Hiroyuki Professor Faculty of Engineering	Nov 1, 2018~ Oct 31, 2020	Kyushu Fukuoka
DEY, N.       INDIA	Development of flexible flapping fluorophores for molecular structural biology	Kyoto University SAITO, Shohei Associate Professor Graduate School of Science	Nov 27, 2018~ Nov 26, 2020	Kinki Kyoto
SARKAR, H. S.       INDIA	Development and Application of Photoreversible Protein Labeling System	Tohoku University MIZUKAMI, Shin Professor Institute of Multidisciplinary Research for Advanced Materials	Nov 25, 2018~ Nov 24, 2020	Tohoku Miyagi

SUDRAJAT, H.  INDONESIA	Science behind Restricted Electron-Hole Recombination in Metal-Doped NaTaO <sub>3</sub> Photocatalysts	Kobe University ONISHI, Hiroshi Professor Graduate School of Science	Apr 1, 2018~ Mar 31, 2020	Kinki Hyogo
LEE, E.  KOREA (REP. OF KOREA)	Development of Novel Molecular Machines based on Metal-Assisted Supramolecular Assembly	Toho University HABATA, Yoichi Professor Faculty of Science	Sep 1, 2018~ Aug 31, 2020	Kanto Chiba
LEE, H.  KOREA (REP. OF KOREA)	Development of Organic Semiconductors for Perovskite Optoelectronic Devices	Kyoto University WAKAMIYA, Atsushi Professor Institute for Chemical Research	Sep 1, 2018~ Feb 28, 2019	Kinki Kyoto
LEE, S.  KOREA (REP. OF KOREA)	A novel approach using aptamers for histone code analysis	The University of Tokyo KAWAMURA, Takeshi Associate Professor Isotope Science Center	Sep 1, 2018~ Aug 31, 2020	Kanto Tokyo
TAN, T.  MALAYSIA	Light Assisted Carbon Dioxide Hydrogenation with Multinuclear Metal Complex Heterogeneous Catalyst	Kyushu University SAKAI, Ken Professor Department of Chemistry, Faculty of Science	Jun 18, 2018~ Jun 17, 2020	Kyushu Fukuoka
ROSAS SANCHEZ, A.  MEXICO	Experimental study on mechanism of electronic stabilization of heavier ketone congeners	RIKEN HASHIZUME, Daisuke Unit Leader Materials Characterization Support Unit, Center for Emergent Matter Science	Apr 1, 2018~ Jul 31, 2020	Kanto Saitama
LIU, M.  TAIWAN	Fabrication of visible-light driven heterostructured Cu <sub>2</sub> O/Au/WO <sub>3</sub> photocatalyst for water splitting	Kyoto University TERANISHI, Toshiharu Professor Institute for Chemical Research	Sep 1, 2018~ Aug 31, 2020	Kinki Kyoto
AMORES SEGURA, M.  SPAIN	Unveiling intercalation mechanism of coordination frameworks for energy storage technologies	The University of Tokyo NISHIHARA, Hiroshi Professor School of Science	Nov 30, 2018~ May 29, 2020	Kanto Tokyo
BARHAM, J. P.  UNITED KINGDOM	Microwave-Assisted Continuous Flow Scale up of Transition Metal-free Cross Couplings	National Institute of Advanced Industrial Science and Technology NORIKANE, Yasuo Group Leader Molecular Assembly Group, Electronics and Photonics Research Institute	Apr 16, 2018~ Apr 15, 2020	Kanto Ibaraki

MISAL CASTRO, L.  VENEZUELA	C-H Bond Activation/Functionalization Reactions by Well-defined Yttrium and Hafnium Catalysts	Osaka University MASHIMA, Kazushi Professor Graduate School of Engineering Science	Nov 12, 2018~ Nov 11, 2020	Kinki Osaka
TRUONG, M.  VIET NAM	Development of Transparent Organic Semiconductors for Highly Efficient Perovskite Solar Cells	Kyoto University WAKAMIYA, Atsushi Professor Institute for Chemical Research	Sep 1, 2018~ Aug 31, 2020	Kinki Kyoto