

# JSPS Postdoctoral Fellowship for Overseas Researcher

## FY 2020 Chemistry

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
GOUANY, F. G.  AUSTRALIA	Iron catalysts: A pathway to an economical, safer, and sustainable future.	National Institute for Materials Science HILL, Jonathan Chief Scientist International Center for Materials Nanoarchitectonics	Apr 1, 2021~ Mar 31, 2023	Kanto Ibaraki
MASUD, M.  BANGLADESH	Portable electrochemical cancer diagnostic platform using novel nanoporous metallic electrodes	National Institute for Materials Science YAMAUCHI, Yusuke Group Leader International Center for Materials Nanoarchitectonics (WPI-MANA)	Dec 27, 2020~ Dec 26, 2022	Kanto Ibaraki
CHAMPAGNE, P.  CANADA	Development of electro-functional materials and devices based on supramolecular polymers	The University of Tokyo AIDA, Takuzo Professor Graduate School of Engineering	Apr 15, 2020~ Apr 14, 2022	Kanto Tokyo
FENG, G.  CHINA	Synthesis of oxygen-substituted Al anion bearing reaction space and its application	Nagoya University YAMASHITA, Makoto Professor Graduate School of Engineering	Nov 16, 2020~ Nov 15, 2022	Chubu Aichi
HE, D.  CHINA	Development of a rational design principle for polar organic single crystals	RIKEN MIYAJIMA, Daigo Unit Leader Center for Emergent Matter Science	Oct 1, 2020~ Sep 30, 2022	Kanto Saitama
LAI, H.  CHINA	Sequence-regulated degradable copolymers via chain-growth radical polymerization	Kyoto University OUCHI, Makoto Professor Graduate School of Engineering	Jan 5, 2021~ Nov 4, 2022	Kinki Kyoto
MENG, J.  CHINA	Study on the Preparation of Novel Perovskite-type Cathode and its Catalytic Mechanism	Kyoto University SHIMAKAWA, Yuichi Professor Institute for Chemical Research	Apr 6, 2021~ Apr 5, 2023	Kinki Kyoto
WU, Q.  CHINA	Development of a library of super-photostable fluorescent dyes via late-stage functionalization	Nagoya University YAMAGUCHI, Shigehiro Professor Institute of Transformative Bio-Molecules (WPI-ITbM)	Apr 1, 2020~ Apr 30, 2021	Chubu Aichi

XU, X.      CHINA	Metal-organic frameworks and their derivatives for water desalination by capacitive deionization	National Institute for Materials Science YAMAUCHI, Yusuke Group Leader International Center for Materials Nanoarchitectonics (WPI-MANA)	Sep 1, 2020~ Aug 31, 2022	Kanto Ibaraki
XUE, H.      CHINA	Fabrication of photo-assisted hybrid Li-O2 battery and its photoelectrochemical mechanism	National Institute for Materials Science MA, Renzhi Group Leader International Center for Materials Nanoarchitectonics	Nov 30, 2020~ Nov 29, 2022	Kanto Ibaraki
XUE, Z.      CHINA	Exploration of Smart Flexible PCPs/MOFs with local dynamics for gas selectivity and conversion	Kyoto University KITAGAWA, Susumu Distinguished Professor Kyoto University Institute for Advanced Study	Dec 10, 2020~ Dec 9, 2022	Kinki Kyoto
YAN, J.      CHINA	Construction of single-atom doped metal oxides nanosheet for efficient solar-fuel production	National Institute for Materials Science YE, Jinhua Principle Investigator International Center for Materials Nanoarchitectonics (WPI-MANA)	Apr 1, 2021~ Mar 31, 2023	Kanto Ibaraki
YI, H.      CHINA	Application of NHC-modified Gold Nanoclusters in Photoredox Catalysis	Nagoya University CRUDDEN, Cathleen Visiting Professor Institute of Transformative Bio-Molecules	Oct 1, 2020~ Sep 30, 2022	Chubu Aichi
ZHANG, W.      CHINA	Development of materials and reactions for solid oxide fuel cells	Kyoto University EGUCHI, Koichi Professor Graduate School of Engineering	Dec 10, 2020~ Dec 9, 2022	Kinki Kyoto
ZHENG, W.      CHINA	Synthesis of Chiral Supramolecules Driven by Self-Assembly of Ladder Molecules and Their Application	Nagoya University YASHIMA, Eiji Professor Graduate School of Engineering	Oct 1, 2020~ Sep 30, 2022	Chubu Aichi
ZHOU, X.      CHINA	Synthesis of mid and late transition metal hydride complexes for N2 activation and functionalization	RIKEN HOU, Zhaomin Chief Scientist Cluster for Pioneering Research	Jan 20, 2021~ Jan 19, 2023	Kanto Saitama
WEBER, F.      GERMANY	Molecular Design of Thermally Activated Delayed Fluorescence Cascade Emitters	Chuo University MORI, Hirotoshi Professor Faculty of Science and Engineering	Oct 24, 2020~ Oct 23, 2022	Kanto Tokyo

SELLES VIDAL, L.  SPAIN	Selection of ribozymes with novel catalytic activities	Okinawa Institute of Science and Technology Graduate University YOKOBAYASHI, Yohei Associate Professor Nucleic Acid Chemistry and Engineering Unit	Apr 1, 2021~ Mar 31, 2023	Okinawa Okinawa
CASTAING, V.  FRANCE	Elaboration and studies of transparent ceramics and glass-ceramics with original optical properties.	Kyoto University TANABE, Setsuhisa Professor Graduate School of Human and Environmental Studies	Sep 6, 2021~ Sep 5, 2023	Kinki Kyoto
LAMA, M.  FRANCE	Structure and properties of photonic hydrogels obtained by hexagonal phase of a non-ionic surfactant	Hokkaido University GONG, Jian Ping Professor Faculty of Advanced Life Science	Jan 3, 2021~ Jan 2, 2023	Hokkaido Hokkaido
BERA, M. K.  INDIA	Vis-NIR Dual Band Absorbing Organometallic Polymer for Energy Saving Electrochromic Smart Window	National Institute for Materials Science HIGUCHI, Masayoshi Group Leader Research Center for Functional Materials	Oct 1, 2020~ Dec 23, 2020	Kanto Ibaraki
CHATTERJEE, K.  INDIA	Laser spectroscopic study on interactions between tryptophan metabolites and biological metal ions	Tokyo Institute of Technology FUJII, Masaaki Professor Institute of Innovative Research	Sep 30, 2021~ Sep 29, 2023	Kanto Kanagawa
DWIBEDI, D.  INDIA	Exploration of Ultra-High Voltage Cathodes for Rechargeable Batteries	The University of Tokyo YAMADA, Atsuo Professor Graduate School of Engineering	Apr 1, 2020~ Mar 31, 2022	Kanto Tokyo
GUPTA, R. K.  INDIA	Formation of pi-Stacked Nanocluster Liquids and its Application Towards Liquid Electret Devices	National Institute for Materials Science NAKANISHI, Takashi Group Leader International Center for Materials Nanoarchitectonics	Oct 6, 2020~ Oct 5, 2022	Kanto Ibaraki
MONDAL, S.  INDIA	Synthesis of functional aromatic nuclei through aromatic metamorphosis	Kyoto University YORIMITSU, Hideki Professor Graduate School of Science	Sep 30, 2021~ Sep 29, 2023	Kinki Kyoto
SINGH, B.  INDIA	Hyperpolarization of guest molecules based on nanoporous materials and its applications	Kyushu University YANAI, Nobuhiro Associate Professor Faculty of Engineering	Jun 1, 2021~ May 31, 2023	Kyushu Fukuoka

HEALY, C.  IRELAND	Coordination soft materials fabricated by assembling polyoxometalates	Kyoto University FURUKAWA, Shuhei Professor Institute for Advanced Study	Dec 2, 2020~ Dec 1, 2022	Kinki Kyoto
DOUST KHAH HERAGH, E.  IRAN	Creation of Porous/Black Titania Nanosheet Photocatalyst by Bursting Exfoliation of Layered Titanate	National Institute for Materials Science IDE, Yusuke Group Leader (acting)/Senior Researcher International Center for Materials Nanoarchitectonics (WPI-MANA)	Dec 19, 2020~ Dec 18, 2022	Kanto Ibaraki
CHO, Y.  KOREA (REP. OF KOREA)	Spectroscopic Study on Charge Carrier Dynamics in Perovskite Solar Cells	Kyoto University OHKITA, Hideo Professor Graduate School of Engineering	Jul 1, 2020~ Mar 31, 2021	Kinki Kyoto
WONDERGEM, C. S.  NETHERLANDS	Unravelling structure-performance relationship in electrocatalysts by operando SHINERS-imaging XAFS	Nagoya University TADA, Mizuki Professor Research Center for Materials Science	Oct 15, 2020~ Oct 14, 2022	Chubu Aichi
BAHADUR, A.  PAKISTAN	Realization of Stimulus-Responsive Drug Delivery Monitored by Bio-Raman Microscopy	Tohoku University MORITA, Shinichi Associate Professor Graduate Course of Science	Sep 1, 2021~ Aug 31, 2023	Tohoku Miyagi