

2023 Admission

List of Academic Advisors

**Graduate School of
Science and Engineering**

**Kansai University
Graduate School**

List of Academic Advisors of Graduate School of Science and Engineering for 2023 Academic Year

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The “List of Academic Advisors of Graduate School of Science and Engineering for 2023 Academic Year” is for both the “Special Entrance Examination for Recommended International Students” and the “International Students Entrance Examination for International Science and Engineering Course”.

Mathematics

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Cohomological Aspects in Mathematics	SHODA Toshihiro Professor Doctor of Science Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Geometric analysis on manifolds ② Geometric invariants on submanifolds ③ Moduli Theory of periodic minimal surfaces URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t01 E-mail: tshoda@kansai-u.ac.jp	○	—	○	—
	FUJIOKA Atsushi Professor Doctor of Mathematical Sciences Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Differential geometry related to integrable systems ② Geometric variational problems ③ Affine differential geometry URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t03 E-mail: afujioka@kansai-u.ac.jp	○	—	○	—
	MURABAYASHI Naoki Professor Doctor of Science Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① The arithmetic of abelian varieties with complex or quaternionic multiplication ② The relationship between abelian varieties and automorphic forms URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t04 E-mail: murabaya@kansai-u.ac.jp	○	—	○	—
	YANAGAWA Kohji Professor Doctor of Science Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Combinatorial commutative algebra ② Application of the derived category and sheaf theory to the above area ③ Oriented Matroid URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t05 E-mail: yanagawa@kansai-u.ac.jp	○	—	○	—
	WAKUI Michihisa Professor Doctor (Science) Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Quantum invariants of knots and 3-manifolds ② Representation categories of Hopf algebras URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t06 E-mail: wakui@kansai-u.ac.jp	○	—	○	—
	KANKI Masataka Associate Professor Doctor of Mathematical Sciences Department of Mathematics Faculty of Engineering Science Master's Program	Research Topics ① Discrete dynamical systems and their integrability criteria ② Cellular automata and ultra-discrete equations URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t05_202003 E-mail: kanki@kansai-u.ac.jp	M	—	M	—

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			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Probability and Statistics	UEMURA Toshihiro Professor Doctor of Science Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Global path properties for Markov Processes ② Regularity problem for Dirichlet forms ③ Construction of Feller semi-groups in terms of integro-differential operators URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t08 E-mail: t-uemura@kansai-u.ac.jp	○	—	○	—
	TAKEDA Masayoshi Professor Department of Mathematics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Stochastic calculus of symmetric Markov processes ② Spectral properties of symmetric Markov operators ③ Large deviations for additive functionals ④ Quasi-stationary distribution, penalization problem ⑤ Criticality theory for Schrodinger operators URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t07 E-mail: mtakeda@kansai-u.ac.jp	○	—	○	—
	TERAMOTO Hiroshi Associate Professor Doctor of Multidisciplinary Sciences Department of Mathematics Faculty of Engineering Science Master's Program	Research Topics ① Computational Algebra ② Applied Singularity Theory ③ Hamiltonian Dynamical Systems URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/math/teacher.html#t09 E-mail: teramoto@kansai-u.ac.jp	M	—	M	—

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Pure and Applied Physics

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			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Physics	<p>ITANO Tomoaki Professor</p> <p>Doctor of Science Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Coherent structure and sustenance mechanism in wall-bounded turbulence</p> <p>② Understanding of physical mechanisms in a variety of fluid phenomena</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t01</p> <p>E-mail: itano@kansai-u.ac.jp</p>	○	D	—	—
	<p>ITOH Hiroyoshi Professor</p> <p>Doctor of Engineering Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Magnetic nano-structure (spintronics)</p> <p>② Mesoscopic system</p> <p>③ Superconductivity</p> <p>④ Strongly correlated electronics</p> <p>⑤ Device design using computational simulation</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t02</p> <p>E-mail: hitoh@kansai-u.ac.jp</p>	○	D	—	—
	<p>ITO Makoto Professor</p> <p>Doctor of Science Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① α cluster structures in nuclei</p> <p>② Transmutation of nuclear waste</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t03</p> <p>E-mail: itomk@kansai-u.ac.jp</p>	○	D	—	—
	<p>SUGIHARA-SEKI Masako Professor</p> <p>Doctor of Science Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Micro-rheological study on blood flow</p> <p>② Fluid dynamical study of particle motion and deformation in channel flows</p> <p>③ Model studies of microvessel permeability</p> <p>④ Sports fluid mechanics</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t05</p> <p>E-mail: sekim@kansai-u.ac.jp</p>	○	D	—	—
	<p>WADA Takahiro Professor</p> <p>Doctor of Science Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Synthesis of super-heavy elements, fluctuation/dissipation dynamics of fusion and fission reaction of heavy nuclei</p> <p>② Mathematical model for biological effects of radiation</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t06</p> <p>E-mail: wadataka@kansai-u.ac.jp</p>	○	D	—	—
	<p>HONDA Syuta Associate Professor</p> <p>Doctor of Engineering Department of Pure and Applied Physics Faculty of Engineering Science</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Spintronics</p> <p>② Semiconductor devices</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t12</p> <p>E-mail: shonda@kansai-u.ac.jp</p>	M	—	—	—

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Applied Physics	ASAKAWA Makoto Professor Doctor of Engineering Department of Pure and Applied Physics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① The terahertz radiation sources based on the electron beam ② The radiation process of the ultra-short electron bunch URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t07 E-mail: asakawa@kansai-u.ac.jp	○	D	—	—
	INADA Mitsuru Professor Doctor of Materials Science Department of Pure and Applied Physics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Optical properties of nanostructure materials ② Electronic transport in quantum dot systems URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t08 E-mail: inada@kansai-u.ac.jp	○	D	—	—
	YAMAGUCHI Soichiro Professor Doctor of Physics Department of Pure and Applied Physics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Solid rocket propellant ② Microwave tomography for medical applications ③ Terahertz wave technology URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t11 E-mail: yams016@kansai-u.ac.jp	○	D	—	—
	YAMAMOTO Ken Professor Doctor of Engineering Department of Pure and Applied Physics Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① The ultrasonic material science ② The ultrasonic degradation of polymers ③ The generation and the application of the acoustic phase conjugate waves URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t10 E-mail: ken@kansai-u.ac.jp	○	D	—	—
	YAMAMOTO Mahito Associate Professor Department of Pure and Applied Physics Faculty of Engineering Science Master's Program	Research Topics ① Nanomaterials ② Nanodevices URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/phys/teacher.html#t12-202103 E-mail: myama@kansai-u.ac.jp	M	—	—	—

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Mechanical Engineering

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Nanophysics and Nanomaterials Engineering	<p>ITO Takeshi Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Biosensor based on functional surfaces and nanosize structures</p> <p>② Physical-chemical analysis of nanosize materials and their application for sensors</p> <p>③ Biomimicry and related engineering</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t02</p> <p>E-mail: t.ito@kansai-u.ac.jp</p>	○	D	—	—
	<p>SHIMIZU Tomohiro Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Synthesis of semiconductor nanowires and application of the wire to electronics devices</p> <p>② Fabrication of nanostructures using porous alumina template</p> <p>③ Development of mass-synthesis of metal and semiconductor nanowires</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t03</p> <p>E-mail: shimi@kansai-u.ac.jp</p>	○	D	—	—
	<p>SHINGUBARA Shoso Professor</p> <p>Doctor of Science Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Fabrication and functionalization of various ferromagnetic and semiconductor nanowires using porous alumina template</p> <p>② nano memory devices such as ReRAM and neuromorphic</p> <p>③ Fabrication and reliability study of through-Si Via of 3-dimensional LSIs</p> <p>④ Electroless and Electro-plating of metal interconnections</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t01</p> <p>E-mail: shingu@kansai-u.ac.jp</p>	○	D	—	—
Fluid Engineering and Biomechanics	<p>BANDO Kiyoshi Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Fluid mechanics and Biomechanics</p> <p>② Coupled problem between flow and deformation of elastic membrane</p> <p>③ Blood flow in blood vessels</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t04</p> <p>E-mail: bando@kansai-u.ac.jp</p>	○	D	—	—
	<p>YAMAMOTO Yasufumi Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Numerical analysis of multiphase flows containing moving and deforming interfaces</p> <p>② Application of wettability and surface tension dominated phenomena</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t05</p> <p>E-mail: yamayasu@kansai-u.ac.jp</p>	○	D	—	—

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Fluid Engineering and Biomechanics	TAJIKAWA Tsutomu Associate Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program	Research Topics ① Design, development and evaluation of mechanical specifications for artificial/native organs ② Measurement of time constants for relaxation as deformability of human erythrocyte by using microchannel technique ③ Development of fiber-optic velocity sensor for opaque and semi-opaque fluid URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t06 E-mail: tajikawa@kansai-u.ac.jp	M	—	—	—
Materials Engineering	SAITOH Ken-ichi Professor Ph. D. in Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Microscopic evaluation of strength and function of materials by molecular dynamics ② Numerical simulation and experiment of shape memory effect in nano-sized materials ③ Development of computational mechanics URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t07 E-mail: saitou@kansai-u.ac.jp	○	D	—	—
	TAKAHASHI Yoshimasa Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Micro-mechanism of fatigue fracture ② Strength properties of micro/nano-scale materials ③ Micro-characterization of structural materials for strength evaluation URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t10 E-mail: yoshim-t@kansai-u.ac.jp	○	D	—	—
	TAKUMA Masanori Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① The evaluation of the mechanical properties and the damage of the material with non-destructive inspection method ② The material design which adopted the concepts of the smart material and structure URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t08 E-mail: t940081@kasnai-u.ac.jp	○	D	—	—
	SATO Tomohiro Associate Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program	Research Topics ① Development of sintering process for Cu alloy ② Evaluation of mechanical properties on sintering alloy ③ Evaluation of tribological properties on copper alloy ④ Molecular dynamics on sliding system of sulfides ⑤ Molecular dynamics on phase transformation of Ni-Ti alloy URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t09 E-mail: tom_sato@kansai-u.ac.jp	M	—	—	—

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Tribology and Micromechanics for Information Equipment	KOGANEZAWA Shinji Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Mechatronics device for IoT (Internet of things) ② Small-sized sensors and actuators ③ Measurement of viscoelasticity URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t11 E-mail: skoga@kansai-u.ac.jp	○	D	—	—
	TANI Hiroshi Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Tribology of ultra-thin molecular lubricant film ② Tribology of carbon nano-tube ③ Triboelectric Nanogenerator URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t13 E-mail: hrstani@kansai-u.ac.jp	○	D	—	—
	LU Renguo Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Tribotronics of next generation vehicles ② Tribochemistry ③ Development of smart tribosystem with ultralow friction URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t14 E-mail: r_lu@kansai-u.ac.jp	○	D	—	—
Thermal Engineering	UMEKAWA Hisashi Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Heat transfer and flow characteristics in forced convective boiling ② Quantitative measurement of two-phase flow by using NR/XR radiography URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t15 E-mail: umekawa@kansai-u.ac.jp	○	D	—	—
	MATSUMOTO Ryosuke Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Estimation of frost formation on heat exchanger ② Development of heating appliance using tubular flame ③ Mixing and reaction in microchannel URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t16 E-mail: matumoto@kansai-u.ac.jp	○	D	—	—
	AMI Takeyuki Associate Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program	Research Topics ① Multi-phase Flow Dynamics ② Critical Heat Flux ③ Numerical Investigation of Multi-phase Flow URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t17 E-mail: t_ami@kansai-u.ac.jp	M	—	—	—

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Thermal Engineering	<p>ODA Yutaka Associate Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Large eddy simulations of convective heat transfer in gas turbines</p> <p>② Development of numerical model for predicting local entropy generation rate in turbulent flows with heat transfer</p> <p>③ Numerical simulation of conjugate heat transfer based on LES statistics</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t18</p> <p>E-mail: oday@kansai-u.ac.jp</p>	M	—	—	—
Manufacturing Systems	<p>FURUSHIRO Naomichi Professor</p> <p>Ph. D. (Engineering) Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Suppression of Tool Wear in Ultra-precision Diamond Turning</p> <p>② Mechanochemical Superfinishing of Optical and Electronic Materials</p> <p>③ Three-Dimensional Internal Information Acquisition System based on Consecutive Precision Machining</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t20</p> <p>E-mail: furusiro@kansai-u.ac.jp</p>	○	D	—	—
	<p>YAMAGUCHI Tomomi Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Study for silicon micro multi-edged tool using anisotropic etching</p> <p>② Study for thermochemical loss of diamond</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t19</p> <p>E-mail: tomomiym@kansai-u.ac.jp</p>	○	D	—	—
	<p>HIROOKA Daisuke Associate Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Flow control valve PZT vibration</p> <p>② Precision positioning control mechanism using pneumatic system</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t30</p> <p>E-mail: hirooka@kansai-u.ac.jp</p>	M	—	—	—
Mechanical Dynamics and Control Engineering	<p>UTSUNO Hideo Professor</p> <p>Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Evaluation of pulse wave propagation in blood vessel</p> <p>② Noise reduction of machines</p> <p>③ Acoustic Mechanism of Musical Instrument such as violin and flute</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t21</p> <p>E-mail: utsuno@kansai-u.ac.jp</p>	○	D	—	—

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Mechanical Dynamics and Control Engineering	YAMADA Keisuke Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Vibration and noise reduction using smart structure system ② Vibration suppression using dynamic vibration absorber ③ Vibration isolation ④ Modal analysis URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t22 E-mail: yamadak@kansai-u.ac.jp	○	D	—	—
	ARAI Yasuhiko Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Current research interests include a fringe analysis and moire fringes. ② Optical motor using Light Pressure URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t24 E-mail: arai@kansai-u.ac.jp	○	D	—	—
Measurement Systems	TAKATA Keiji Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Development and application of novel measurement techniques using scanning probe microscopy ② Scanning tunneling microscope with an ultrasonic detector to observe nonconductive material ③ Novel method, strain imaging, for imaging ferroelectric and ferromagnetic properties with high resolution ④ Strain imaging of Li-ion batteries ⑤ Photo-induced strain imaging for high-resolution imaging of band-gap energies URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t25 E-mail: takatak@kansai-u.ac.jp	○	D	—	—
	MAE Yasushi Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Human / Environment recognition ② Human-centered intelligent system design ③ Natural human-robot Interaction URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t31 E-mail: mae@kansai-u.ac.jp	○	D	—	—
Robot and Microsystems	AOYAGI Seiji Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Sensor feedback control for robotics, High speed and high precision control in mechatronics ② Mobile home/welfare robot based on RECS (Robot Environment Compromising System) ③ Micromachined medical tools such as microneedles, Micro sensors for robotics based on MEMS (MicroElectroMechanical Systems) URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t26 E-mail: aoyagi@kansai-u.ac.jp	○	D	—	—

Note) The "○" mark means that both a Master's Degree Program and a Ph.D. Degree Program are available.
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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Robot and Microsystems	SUZUKI Masato Professor Ph. D. (Engineering) Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Development of fabrication process for micro machining ② Micro sensor system using semiconductor devices and MEMS devices URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t27 E-mail: m.suzuki@kansai-u.ac.jp	○	D	—	—
	TAKAHASHI Tomokazu Associate Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program	Research Topics ① MEMS (Micro electro mechanical systems) based micro power generator for the portable devices ② Universal robotic hand URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t28 E-mail: t.taka@kansai-u.ac.jp	M	—	—	—
Ergonomics and Biomedical Engineering	KOTANI Kentaro Professor Ph. D. Department of Mechanical Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Neurophysiological characteristics of tactile perception ② Industrial and medical applications of eye movement characteristics URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t29 E-mail: kotani@kansai-u.ac.jp	○	D	—	—
	SUZUKI Satoshi Associate Professor Doctor of Engineering Department of Mechanical Engineering Faculty of Engineering Science Master's Program	Research Topics ① Non-contact vital-sign monitoring using microwave radar and application to medical engineering ② Estimation of change in user's status using neurophysiological information ③ Biological signal processing intended to apply for predictive control URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/mec/teacher.html#t30-2021 E-mail: ssuzuki@kansai-u.ac.jp	M	—	—	—

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Electrical, Electronic and Information Engineering

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Electrical Engineering	<p>OHASHI Shunsuke Professor</p> <p>Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Motor drive ② Linear drive system and magnetic levitation system for transportation and conveyance system ③ Application for superconductor ④ New generation system using clean energy</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t01 E-mail: ohashi@kansai-u.ac.jp</p>	○	○	○	○
	<p>HAMADA Shoji Professor</p> <p>Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Safety investigation related to human exposure to electric and magnetic fields around electric power equipment ② Estimating conditions of electric power transmission and distribution systems ③ Control of eddy-current distribution using arrayed coils for magnetic stimulation</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t26 E-mail: shamada@kansai-u.ac.jp</p>	○	○	○	○
	<p>YAMAMOTO Yasushi Professor</p> <p>Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Liquid blanket and diverter for nuclear fusion reactors ② Electrical grids ③ Hydrogen permeation through ceramics ④ Discharge type small nuclear fusion neutron source</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t02 E-mail: yama3707@kansai-u.ac.jp</p>	○	○	○	○
	<p>YONETSU Daigo Associate Professor</p> <p>Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Evaluation and optimizing technique about electromagnetic induction phenomena for IH cooker and inductive power transfer apparatus ② Evaluation and optimizing technique about electromagnetic environment</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t03 E-mail: yonetsu@kansai-u.ac.jp</p>	M	M	M	M
Materials and Devices for Electronics and Optics	<p>KITAMURA Toshiaki Professor</p> <p>Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Investigation of the Auditory System and the Device Application ② Metamaterial ③ Phononic crystal ④ Microwave Devices ⑤ Optical devices</p> <p>URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t05 E-mail: kita@kansai-u.ac.jp</p>	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Materials and Devices for Electronics and Optics	SAIKI Taku Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Development of high-power and high-efficient solar-pumped solid-state lasers ② Development of new laser materials ③ Production of renewable energy using metallic nanoparticles based on laser ablation URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t07 E-mail: tsaiki@kansai-u.ac.jp	○	○	○	○
	TAJITSU Yoshiro Professor Ph. D. Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Electroactive Polymer ② Smart sensor & Actuator Sensor & Actuator ③ Dielectrics ④ Piezoelectrics ⑤ wearable device URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t06 E-mail: tajitsu@kansai-u.ac.jp	○	○	○	○
	SATO Shingo Associate Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program	Research Topics ① Device and process simulation ② TEG development for device analysis ③ Theory and modeling on semiconductor physics URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t25 E-mail: satos@kansai-u.ac.jp	M	M	M	M
	TAKARADA Jun Associate Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program	Research Topics ① Microscopic Property of Piezoelectric Polymer Film ② Gripping Sensor Using High Photoelastic Polymer ③ Field Effect Transistor with Piezoelectric Gate Insulator URL : http://www2.ipcku.kansai-u.ac.jp/~tajitsu/ E-Mail : takarada@kansai-u.ac.jp	M	M	M	M
Information and Communication Engineering	HIRATA Kouji Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Future networking ② All-optical networking ③ Network optimization URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t11 E-mail: hirata@kansai-u.ac.jp	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Information and Communication Engineering	YAMAMOTO Miki Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① New Generation Networks (Future Internet) ② Content Delivery URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t09 E-mail: yama-m@kansai-u.ac.jp	○	○	○	○
	YOMO Hiroyuki Professor Ph. D. (Osaka University, 2002) Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Wireless network control for mobile communications network ② Advanced radio resource management with intelligent wireless access ③ Cross-layer protocol design for wireless network URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t10 E-mail: yomo@kansai-u.ac.jp	○	○	○	○
	WADA Tomotaka Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Wireless communications for next generation Intelligent Transport Systems ② Fast localization of passive RFID tags ③ Emergency Rescue Evacuation Support System URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t12 E-mail: wadat@kansai-u.ac.jp	○	○	○	○
System Informatics	ITO Hidetaka Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Numerical analysis of nonlinear and dynamical systems ② Design of nonlinear dynamics and dynamics-based computing URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t16 E-mail: hito@kansai-u.ac.jp	○	○	○	○
	HIKAWA Hiroomi Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Self - Organizing Map ② Neural Network ③ Image Recognition System URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t13 E-mail: hikawa@kansai-u.ac.jp	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
System Informatics	MIYOSHI Seiji Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Analysis of online learning and associative memory model ② Statistical image processing URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t15 E-mail: miyoshi@kansai-u.ac.jp	○	○	○	○
	KAJIKAWA Yoshinobu Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Audio and Electroacoustics (Analysis and Design for Micro Speakers and Microphones) ② Signal Processing for Audio and Acoustic Systems (Active Noise Control, Personal Audio) ③ Machine Learning for Acoustic Systems and Information (Biometrics Authentication Using Acoustic Information by Deep Learning) URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t17 E-mail: kaji@kansai-u.ac.jp	○	○	○	○
Media Processing	MATSUSHIMA Kyoji Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Creation of 3D images by computer holography ② Capture of high-definition wave-field ③ Simulation in wave-optics URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t18 E-mail: matsu@kansai-u.ac.jp	○	○	○	○
	MUNEYASU Mitsuji Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Moving image processing and its applications ② Data embedding and extraction for printed and projected images and its applications ③ Medical image processing ④ Noise reduction for images ⑤ Machine learning for image processing URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t19 E-mail: muneyasu@kansai-u.ac.jp	○	○	○	○
Intelligent Software Engineering	EBARA Hiroyuki Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Algorithm for Combinatorial Optimization Problem ② Network Simulation for Ad-hoc Network ③ Web Application for Laboratory URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t20 E-mail: ebara@kansai-u.ac.jp	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Intelligent Software Engineering	KOJIRI Tomoko Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Verbalization Support System for Tacit Knowledge ② Logical Thinking Support System ③ Environment Design for Intelligent Activity URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t23 E-mail: kojiri@kansai-u.ac.jp	○	○	○	○
	TOKUMARU Masataka Professor Doctor (Engineering) Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program Ph.D. Program	Research Topics ① Human interface for interactive evolutionary computation ② Robot model in a group with human participants ③ Affective information retrieval system URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t21 E-mail: toku@kansai-u.ac.jp	○	○	○	○
	HANADA Yoshiko Associate Professor Doctor of Engineering Department of Electrical, Electronic and Information Engineering Faculty of Engineering Science Master's Program	Research Topics ① Combinatorial optimization and its applications ② Multiobjective optimization URL: https://www.kansai-u.ac.jp/Fc_sci/english/department/ee/teacher.html#t24 E-mail: hanada@kansai-u.ac.jp	M	M	M	M

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Architecture

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Structural Engineering	MASUI Takeshi Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Mechanics of wooden structures ② Characteristics of the behavior of liquefied soil-pile foundation systems ③ Stability of the masonry wall of castles under dynamic load URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t03 E-mail: masui@kansai-u.ac.jp	○	—	—	—
	MATSUDA Satoshi Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Dynamic response and performance of structural systems under seismic excitations ② Modeling and prediction of strong ground motions ③ Random vibration theory and its application to seismic structural design URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t04 E-mail: matsuda@kansai-u.ac.jp	○	—	—	—
	YAMAZAKI Masahiro Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Support Mechanism of Foundations ② Reputation of Foundation Bearing Capacity ③ Method of Foundation Design URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t05-202103 E-mail: ymzk@kansai-u.ac.jp	○	—	—	—
	IKENAGA Masahiro Associate Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Development of tuned viscous mass damper for seismic control ② Development of smart passive device for base isolated structure ③ Mechanism study on high-rise building under severe seismic events and suggestion to improve the seismic performance URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t05 E-mail: mikenaga@kansai-u.ac.jp	M	—	—	—
Architectural Design and Planning	OKAGE Yoshifumi Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Design and theory of architecture ② Design and theory of public space ③ Design and theory of landscape URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t07 E-mail: okage@kansai-u.ac.jp	○	—	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Architectural Design and Planning	OKA Eriko Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Interaction of changing lifestyles and dwellings ② The building types of houses forming town URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t08 E-mail: okaeri@kansai-u.ac.jp	○	—	—	—
	KAMETANI Yoshihiro Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① The phenomena of colour in townscape and mode of appearance of colour in townscape ② The design for the aged and the handicapped ③ The design for sustainable development and green building URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t09 E-mail: kametani@kansai-u.ac.jp	○	—	—	—
	KINOSHITA Hikaru Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① design, management and ownership of public space in Asia ② design and site planning of urban dwelling ③ thermal effects of Japanese roof tiles and preservation of traditional roof-scape ④ urbanism and urban design of 1950's to 70's ⑤ regional revitalization through traditional local industry URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t10 E-mail: kinosita@kansai-u.ac.jp	○	—	—	—
	FUJITA Masaya Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① A history of Japanese domestic architecture ② Research of the history of Japanese historical architecture in Europe ③ Urban Housing in the Ancient Capital-city Heian URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t11 E-mail: fujitama@kansai-u.ac.jp	○	—	—	—
	NOMURA Masaharu Associate Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Research on the city management directed by Japanese financial cliques ② Research on the development of office buildings as building type ③ Modern architectural history of small houses ④ Small house design URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t08-202103 E-mail: nomura-m@kansai-u.ac.jp	M	—	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Environmental Engineering in Architecture	TSUZUKI Kazuyo Professor Ph.D. Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Effects of thermal environment on human sleep and thermoregulation ② The effect of low temperature on sleep and thermoregulation with insufficient bedding assuming an emergency evacuation ③ Brain activity and cognitive performance in the office environment ④ Effects of renovation using well-insulated windows or wall materials on indoor thermal environmental parameters and the health of occupants ⑤ Effects of ventilation and air-conditioner on residential occupants URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t14-202103 E-mail: ktsuzuki@kansai-u.ac.jp	○	—	—	—
	TOYODA Masahiro Professor Doctor of Engineering Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Vibroacoustic analysis ② Prediction of floor impact sound ③ Improvement of sound insulation performance URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t15 E-mail: toyoda@kansai-u.ac.jp	○	—	—	—
	HARA Naoya Professor Ph. D. (Engineering) Department of Architecture Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Fundamental Study for Designing the Visual and Lighting Environment of Interior and Exterior ② Integration of Daylighting and Artificial lighting Effective to Visual Perception and Energy Saving URL: https://www.kansai-u.ac.jp/Fc_env/english/department/arch/teacher.html#t14 E-mail: nhara@kansai-u.ac.jp	○	—	—	—

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Civil, Environmental and Applied Systems Engineering

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Environmental Engineering	<p>ISHIGAKI Taisuke Professor</p> <p>Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Urban environment, Flood disaster and its recent and traditional counter measures ② Urban flood and evacuation - its mechanism and disaster prevention, disaster mitigation-</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t01 E-mail: ishigaki@kansai-u.ac.jp</p>	○	D	—	—
	<p>OZAKI Taira Professor</p> <p>Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Urban runoff water management - environmental mitigation and flood disaster prevention- ② Environmental system and management for lowcarbon societies</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t03 E-mail: ozaki_t@kansai-u.ac.jp</p>	○	D	—	—
	<p>KUSUMI Harushige Professor</p> <p>Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Safety analysis of ground slope and tunnelling by numerical method ② Development of slope stability method leaved trees ③ Establishing ground water management system using seepage analysis ④ Rock mass estimation by AI on tunnelling construction</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t02 E-mail: kusumi@kansai-u.ac.jp</p>	○	D	—	—
	<p>TOBITA Tetsuo Professor</p> <p>Ph.D. Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Combined failure mechanisms of geotechnical structure ② Centrifuge modeling on geotechnical problems ③ Application of the generalized scaling law to saturated ground ④ Stability of natural slopes during earthquakes</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t04 E-mail: tobita@kansai-u.ac.jp</p>	○	D	—	—
	<p>HAYASHI Michiko Associate Professor</p> <p>Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① History of Landscape and Civil Engineering ② Public Space and Landscape Management ③ Disaster Management Planning Based on Local History</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t21 E-mail: mhayashi@kansai-u.ac.jp</p>	M	—	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Environmental Engineering	YASUDA Tomohiro Associate Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Reduction of coastal disasters ② Assessment of climate change impact and adaptation ③ Integrated assessment on disaster resiliency of coastal area ④ Performance design of coastal structures URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t05 E-mail: yasuda-t@kansai-u.ac.jp	M	—	—	—
	ISHIKAWA Toshiyuki Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Patch plate bonding repair of deteriorated structures ② Development of simple repair method for fatigue cracks ③ Development of inspection methods for steel structures ④ Evaluation of behavior of existing structures URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t09 E-mail: t-ishi@kansai-u.ac.jp	○	D	—	—
Design and Construction	TSURUTA Hiroaki Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Effective utilization of industrial wastes for concrete ② Durability in concrete structures ③ Effects of aggregate quality on mechanical properties in concrete ④ Development of mortar base used for coral reef regeneration promotion technology URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t08 E-mail: tsurutah@kansai-u.ac.jp	○	D	—	—
	UEDA Naoshi Associate Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Structural Performance Evaluation of Concrete Structures deteriorated by Alkali Silica Reaction ② Damage Evaluation of Concrete Structures by means of Nonlinear Finite Element Analysis ③ Simulation of Failure Behavior of Fiber Reinforced Concrete Structures URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t10 E-mail: n.ueda@kansai-u.ac.jp	M	—	—	—
	KITAOKA Takafumi Associate Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Study on civil engineering and AI ② Study on geo risk management using an artificial intelligence ③ Study on early warning system for reducing a slope failure risk URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t10_202003 E-mail: kitaoka@kansai-u.ac.jp	M	—	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Planning and Management	AKIYAMA Takamasa Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Urban Transport Planning and Traffic Engineering with Soft Computing Techniques ② Urban and Regional Planning in terms of Wellness and Low Carbon Environment URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t11 E-mail: akiyama@kansai-u.ac.jp	○	D	—	—
	KITAZUME Keiichi Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Meso- and microscopic land-use model using Geographic Information System (GIS) ② Assessment and management of Infrastructure Projects and PPP ③ Urban Revitalization and community regeneration URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t12 E-mail: kitazume@kansai-u.ac.jp	○	D	—	—
	YUN Yeboon Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Multi-objective optimization and sequential approximate optimization ② Data envelopment analysis and its applications ③ Machine Learning URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t14 E-mail: yeboon@kansai-u.ac.jp	○	D	—	—
	INOKUCHI Hiroaki Associate Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Transport Planning ② Characteristics of ultra light-weight vehicle ③ Structure of urban transport system for healthy city planning URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t15 E-mail: hiroaki@inokuchi.jp	M	—	—	—
Applied Systems Engineering	KANEKIYO Hiroaki Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Practical applications of stochastic systems and stochastic differential equations ② System reliability analysis ③ Risk analysis ④ Development of fast simulation schemes for reliability-risk analyses URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t16 E-mail: hiro.t.k@kansai-u.ac.jp	○	D	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Applied Systems Engineering	KUBOTA Satoshi Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Information management system for civil infrastructures, Advanced research of GIS and geospatial information, Application system of threedimensional CAD, GIS, and CG URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t19 E-mail: skubota@kansai-u.ac.jp	○	D	—	—
	TAKIZAWA Yasuhisa Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Wireless Networks ② Ubiquitous Computing ③ Mobile Computing ④ Network Dynamics URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t17 E-mail: takizawa@kansai-u.ac.jp	○	D	—	—
	DAN Hiroshige Professor Doctor of Informatics Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Large-scale/Nonlinear optimization problem ② Mathematical modeling of problems around our life URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t20 E-mail: dan@kansai-u.ac.jp	○	D	—	—
	YASUMURO Yoshihiro Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① 3 dimensional measurement and modeling — scanning scheme and adaptive data processing for scalable 3D modeling — ② Human-friendly system — easy-to-understand and interactive human-machine interface — URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t18 E-mail: yasumuro@kansai-u.ac.jp	○	D	—	—
	ADACHI Naotoshi Associate Professor Doctor of Engineering Department of Civil, Environmental and Applied Systems Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Communications infrastructure ② Network Security ③ Internet of Things URL: https://www.kansai-u.ac.jp/Fc_env/english/department/urbansystem/teacher.html#t22 E-mail: n-adachi@kansai-u.ac.jp	M	—	—	—

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Chemical, Energy and Environmental Engineering

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Energy Engineering	<p>IKENAGA Naoki Professor</p> <p>Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Hydrogen production from some kinds of hydrocarbons and bio fuels ② Production of meso-porous materials ③ Purification of environmental pollutants</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t01 E-mail: ikenaga@kansai-u.ac.jp</p>	○	○	○	○
	<p>NAKAGAWA Kiyoharu Professor</p> <p>Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Diamond surface chemistry ② Marimo nano carbon ③ Li⁺ and post Li⁺ batteries ④ Fuel cells ⑤ water treatment</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t05 E-mail: kiyoharu@kansai-u.ac.jp</p>	○	○	○	○
	<p>MIYAKE Takatori Professor</p> <p>Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Hydrothermal synthesis of zeolites for environmental remediation ② Partial oxidation to produce petro-chemicals, total oxidation of organic compounds and hydrogenation of esters to produce alcohols with catalysts ③ Separation of xylenes with MOFs</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t02 E-mail: tmiyake@kansai-u.ac.jp</p>	○	○	○	○
	<p>MURAYAMA Norihiro Professor</p> <p>Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Preparation of functional inorganic materials using industrial wastes such as coal fly ash, incineration ash, aluminum dross, steel slag ② Removal of toxic materials with ion exchangers and adsorbents synthesized from wastes and by-product</p> <p>URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t03 E-mail: murayama@kansai-u.ac.jp</p>	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Energy Engineering	SANO Makoto Associate Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Development of functional inorganic and inorganic-organic hydride materials and their applications ② Development of Environmental conservation technologies ③ Development of Resource-Recycling Technologies URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t04 E-mail: msano@kansai-u.ac.jp	M	M	M	M
	FUKU Kojiro Associate Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Conversion technology of solar light energy to chemical energy ② Clean technology for decomposition and detoxification of air and water pollutants ③ Catalytic system for clean materials conversion URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t01 E-mail: k.fuku@kansai-u.ac.jp	M	M	M	M
	MATSUOKA Mitsuaki Associate Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Microstructure control of functional inorganic materials using powder technology ② Development of geopolymer design process by particle surface activation ③ Development of functional ceramics by microstructure control using composite particles URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t05-202103 E-mail: matsuoka@kansai-u.ac.jp	M	M	M	M
Environmental Chemistry	OKADA Yoshiki Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Measurement and synthesis of gas-born nanoparticles ② Reaction control in microreactors ③ Recovery of nanoparticles from sludge water using microbubbles URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t06 E-mail: yokada@kansai-u.ac.jp	○	○	○	○
	TANAKA Shunsuke Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Self-assembly fabrication of nanoporous materials ② Development of scalable synthesis process for nanoporous materials ③ Membrane-based gas separation (H ₂ production, CO ₂ capture, hydrocarbons) and water purification ④ Adsorption separation for biofuels and biochemicals ⑤ Exploring of biopharmacy drug delivery system using nanoporous materials URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t11 E-mail: shun_tnk@kansai-u.ac.jp	○	○	○	○

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Environmental Chemistry	HAYASHI Jun'ichi Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Production of Porous Material (Activated Carbon, Carbon Molecular Sieve) from Waste Material ② Carbonization of Biomass and Waste Material ③ Biomass Gasification ④ Production of Porous Material by Sol-gel Method URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t07 E-mail: hayashi7@kansai-u.ac.jp	○	○	○	○
	YAMAMOTO Hideki Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program Ph.D. Program	Research Topics ① Application of Hansen Solubility Parameter ② Distillation separation of acid (HF, HNO ₃ and HCl) from etching waste in semiconductor manufacturing process ③ Development of compact sized falling needle rheometer (FNR) for measurement of human blood viscosity ④ Estimation of solubility parameter (SP value) for materials and their application for evaluation URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t08 E-mail: yhideki@kansai-u.ac.jp	○	○	○	○
	ARAKI Sadao Associate Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Development of inorganic membranes for gas separation, pervaporation and nanofiltration ② Process design for reaction and separation using membrane reactors ③ Hydrogen production from water, biogas and natural gas URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t09 E-mail: araki_sa@kansai-u.ac.jp	M	M	M	M
	KINOSHITA Takuya Associate Professor Doctor of Engineering Department of Chemical, Energy and Environmental Engineering Faculty of Environmental and Urban Engineering Master's Program	Research Topics ① Synthesis of Functional Fine Particles ② Fine Particle Materials for Solid Oxide Fuel Cell ③ Magnetic Fine Particle Materials for Hyperthermia Therapy URL: https://www.kansai-u.ac.jp/Fc_env/english/department/ceee/teacher.html#t10 E-mail: t_kino@kansai-u.ac.jp	M	M	M	M

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Chemistry and Materials Engineering

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Metallic Materials Design	<p>UEDA Masato Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Low temperature synthesis of inorganic films. ② Control of bioactivity in metallic and inorganic materials. ③ Photochemical reaction in nano-ordered structure and improvement of light energy conversion efficiency.</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t02 E-mail: m-ueda@kansai-u.ac.jp</p>	○	○	—	—
	<p>MORISHIGE Taiki Associate Professor</p> <p>Ph. D. in Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Grain refinement processings of light metal alloys ② Friction stir welding of dissimilar metals and alloys ③ Development of corrosion resistance of Mg alloys ④ Refining process of Mg alloys</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t07 E-mail: tmorishi@kansai-u.ac.jp</p>	M	M	—	—
Metallic Materials Processing	<p>TAKENAKA Toshihide Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Innovative production process of rare-metals ② Progressive recycling process of rare-metals ③ Chemical phenomena in high temperature medium ④ Improvement of lifetime of rare-metals</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t03 E-mail: ttakenak@kansai-u.ac.jp</p>	○	○	—	—
	<p>NISHIMOTO Akio Professor</p> <p>Ph. D. Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Surface modification of metallic materials ② Preparation of functional materials by spark plasma sintering ③ Metallographic investigation on bonding of dissimilar materials ④ Diamond-like Carbon Coating</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t04 E-mail: akionisi@kansai-u.ac.jp</p>	○	○	—	—
	<p>HOSHIYAMA Yasuhiro Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Development of Rapidly Solidified Composite Deposits ② Development of Low Environmental Load Type Casting ③ Surface Modification of Metallic Materials</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t05 E-mail: hoshiyama@kansai-u.ac.jp</p>	○	○	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Metallic Materials Processing	MARUYAMA Toru Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Castings (Full mold process, Investment casting) ② Alloy design of cast iron, steel, aluminum alloy, copper alloy, and high entropy alloy ③ Design for fire refining ④ Thermal spray (Spray materials, Blasting) URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t06 E-mail: tmaru@kansai-u.ac.jp	○	○	—	—
	ARACHI Yoshinori Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Crystal structure and physical properties of inorganic materials for rechargeable batteries. ② Electronic structure of transition metal oxides. URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t08 E-mail: arachi@kansai-u.ac.jp	○	○	—	—
	UCHIYAMA Hiroaki Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Science on the self-organization and self-assembly for fabricating nanostructured inorganic materials ② Science on the growth of inorganic crystals in solutions for morphological control of inorganic materials URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t12 E-mail: h_uchi@kansai-u.ac.jp	○	○	—	—
	KOZUKA Hiromitsu Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Science on the sol-gel coating technique for fabricating ceramic, glass and organic-inorganic hybrid thin films ② Modification of the sol-gel coating technique for improving the properties of thin film products and enhancing the reality in processing URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t09 E-mail: kozuka@kansai-u.ac.jp	○	○	—	—
TAKESHITA Hiroyuki T. Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Development of new hydrogen storage materials ② Analysis of phase transition and crystal structure ③ Evaluation of electronic structure of materials ④ Thermodynamic and kinetic analyses of gas-solid reaction URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t10 E-mail: h-take@kansai-u.ac.jp	○	○	—	—	

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Metallic Inorganic Materials Properties	<p>HARUNA Takumi Professor</p> <p>Ph. D. Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Development of the metallic materials exhibiting high corrosion resistance ② Development of evaluation techniques for susceptibility to corrosion of metals ③ Development of intelligent metal surfaces</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t11 E-mail: haruna@kansai-u.ac.jp</p>	○	○	—	—
	<p>KONDO Ryota Associate Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Metal based hydrogen storage materials ② Materials for medium scale hydrogen storage ③ Hydrogen related devices</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t23 E-mail: rkondo@kansai-u.ac.jp</p>	M	M	—	—
Inorganic and Physical Chemistry	<p>AOTA Hiroyuki Professor</p> <p>Doctor of Science Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Artificial photosynthesis ② Molecular wire</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t13 E-mail: aota@kansai-u.ac.jp</p>	○	○	—	—
	<p>ISHIKAWA Masashi Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Advanced materials for rechargeable batteries ② Advanced materials for electrochemical supercapacitors ③ Physical chemistry and kinetics of electrode reactions</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t14 E-mail: masaishi@kansai-u.ac.jp</p>	○	○	—	—
	<p>KAWASAKI Hideya Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Metal nanoparticles and metal nanoclusters: synthesis and characterization ② Nanomaterial Applications: electronics, catalysis, biomedical ③ Nanomaterials for analytical chemistry</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t15 E-mail: hkawa@kansai-u.ac.jp</p>	○	○	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Inorganic and Physical Chemistry	<p>YAMAGATA Masaki Associate Professor</p> <p>Ph. D. in Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Extreme-environment Monitoring System ② Material Science in Extreme-environment ③ Ionic Liquids and their Functional Devices</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t16 E-mail: yamagata@kansai-u.ac.jp</p>	M	M	—	—
Organic Chemistry	<p>UMEDA Rui Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Development of synthesis of novel polycyclic aromatic hydrocarbons ② Prediction of physical properties and design of molecules based on computational chemistry</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t21 E-mail: umeda@kansai-u.ac.jp</p>	○	○	—	—
	<p>OBORA Yasushi Professor</p> <p>Ph. D. Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Development of new homogeneous catalysis and organometallic chemistry ② Development of new synthetic organic reactions using transition-metal catalysts</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t17 E-mail: obora@kansai-u.ac.jp</p>	○	○	—	—
	<p>SAKAGUCHI Satoshi Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Ligand design for asymmetric organic transformations ② Development of a new transition metal-catalyzed organic reaction</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t18 E-mail: satoshi@kansai-u.ac.jp</p>	○	○	—	—
<p>NISHIYAMA Yutaka Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Development of new synthetic and catalytic reactions ② Development of new organic functional materials including heteroatom</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t20 E-mail: nishiya@kansai-u.ac.jp</p>	○	○	—	—	

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Organic Chemistry	YANO Masafumi Associate Professor Doctor of Science Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program	Research Topics ① Design, Synthesis and properties of redox-active organic compounds with triarylamine units ② Design synthesis of novel lanthanide complexes URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t22 E-mail: myano@kansai-u.ac.jp	M	M	—	—
	KUDO Hiroto Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Synthesis of cage-molecule by dynamic covalent chemistry mechanism ② Synthesis of cyclic polymers by ring-expansion polymerization ③ Development of next-generation resist materials ④ Development of high or low-refractive index materials ⑤ Development of UV or thermal curing materials URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t23-202106 E-mail: kudoh@kansai-u.ac.jp	○	○	—	—
Polymer Chemistry	SANDA Fumio Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Development of transition metal catalysts, and the application to conjugated polymer synthesis ② Design and synthesis of optically active polymers ③ Synthesis of stimuli-responsive polymers URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t24 E-mail: sanda@kansai-u.ac.jp	○	○	—	—
	HARADA Miyuki Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① High thermal conductive epoxy network polymers ② High thermal resistance and fracture toughness epoxy network polymers ③ High insulation resistance nano composites URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t25 E-mail: mharada@kansai-u.ac.jp	○	○	—	—
	SOGAWA Hiromitsu Associate Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program	Research Topics ① Design and synthesis of amino acid-based functional materials ② Synthesis and functionalization of supramolecular network polymers URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t25-202003 E-mail: sogawa@kansai-u.ac.jp	M	M	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Biomaterials Chemistry	<p>IWASAKI Yasuhiko Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Synthesis and characterization of well defined bio-inspired polymers ② Surface modification of biomedical devices with biocompatible polymers</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t26 E-mail: yasu.bmt@kansai-u.ac.jp</p>	○	○	—	—
	<p>OHYA Yuichi Professor</p> <p>Ph. D. (Engineering) Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① The synthesis of biodegradable smart materials and their application in biomedical fields ② Synthesis of biodegradable polymers for regenerative medicine and drug delivery systems ③ Development of Nanoparticles for Drug Delivery Systems</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t27 E-mail: yohya@kansai-u.ac.jp</p>	○	○	—	—
	<p>KAKINOKI Sachiro Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Artificial extracellular matrix ② Biofunctionalization of material surface ③ Structural analysis of artificial peptides and proteins</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t32 E-mail: sachiro@kansai-u.ac.jp</p>	○	○	—	—
	<p>HIRANO Yoshiaki Professor</p> <p>Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Peptide based biomaterials for tissue engineering ② Peptide Scaffold for Regenerative Medicine ③ Design of Peptide-polymer hybrid materials</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t29 E-mail: yhirano@kansai-u.ac.jp</p>	○	○	—	—
	<p>FURUIKE Tetsuya Professor</p> <p>Doctor of Environmental Earth Science Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Synthesis of glycocluster compounds from unused resource ② Synthesis of carbohydrates based on sustainable chemistry</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t30 E-mail: furuike@kansai-u.ac.jp</p>	○	○	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Biomaterials Chemistry	MIYATA Takashi Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Polymer Gels ② Biomaterials ③ Membranes and Films ④ Surface Science ⑤ Bio-inspired Materials URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t31 E-mail: tmiyata@kansai-u.ac.jp	○	○	—	—
	KAWAMURA Akifumi Associate Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program	Research Topics ① Polymer Nanomaterials for Biomedical Applications ② Functional Soft Materials ③ Functional Materials Using Polymer Self-assembly URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t33 E-mail: akifumi@kansai-u.ac.jp	M	M	—	—
Biofunctional Molecular Chemistry	ISHIDA Hitoshi Professor Doctor of Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Molecular Design and Synthesis of Peptide ORIGAMI: Novel Metal-Peptide Complexes ② Photocatalytic CO ₂ Reduction by Novel Ruthenium-Peptide Complexes ③ Artificial Photosynthesis Developed with Molecular Catalysts URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t35 E-mail: ishida.h@kansai-u.ac.jp	○	○	—	—
	KUZUYA Akinori Professor Ph. D. in Engineering Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Construction of nanostructures made of DNA ② Fusion of DNA and functional nanomaterial ③ Single molecule imaging of bio-oriented supramolecules URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t34 E-mail: kuzuya@kansai-u.ac.jp	○	○	—	—
	YAJIMA Tatsuo Professor Doctor of Science Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Studies of noncovalent interactions between molecules ② Clarification and applications of noncovalent interaction supported by metal ions ③ Syntheses and preparations of optical active amino acids by optical resolutions with crystallization ④ Development of novel methods for optical resolutions using metal complexes URL: https://www.kansai-u.ac.jp/Fc_che/english/department/chemmater/teacher.html#t37 E-mail: t.yajima@kansai-u.ac.jp	○	○	—	—

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Biofunctional Molecular Chemistry	NAKAI Misaki Associate Professor Doctor of Science Department of Chemistry and Materials Engineering Faculty of Chemistry, Materials and Bioengineering Master's Program	Research Topics ① The development of photosensitizer for photodynamic therapy ② Synthetic sugar metal complexes as therapeutic and diagnostic agents URL: https://www.kansai-u.ac.jp/Fc_che/english/departement/chemmater/teacher.html#t36 E-mail: nakai@kansai-u.ac.jp	M	M	—	—

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Life Science and Biotechnology

Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Life and Pharmaceutical Science	<p>OIKAWA Tadao Professor</p> <p>Doctor of Agriculture, Kyoto University Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Isolation and characterization of novel enzymes from microorganisms ② Enzymological and microbial production of industrially useful compounds and D-amino acids ③ Analysis and function of D-amino acids in foods URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t01 E-mail: oikawa@kansai-u.ac.jp</p>	○	○	○	○
	<p>SUMIYOSHI Takaaki Professor</p> <p>Ph. D. Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Drug discovery of bioactive compounds ② Discovery of natural products ③ Construction of chemical library ④ Identification of molecular mechanism of bioactive compounds URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t04 E-mail: t-sumiyo@kansai-u.ac.jp</p>	○	○	○	○
	<p>NAGAOKA Yasuo Professor</p> <p>Ph. D. Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Explorative study of bioactive compounds ② Synthesis of functional molecules ③ Pharmaceutical engineering URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t03 E-mail: ynagaoka@kansai-u.ac.jp</p>	○	○	○	○
	<p>YASUHARA Hiroki Associate Professor</p> <p>Ph. D. (Science) Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Cell plate formation in higher plant cells ② The role of microtubule associated proteins in cell division and cell elongation URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t05 E-mail: yasuhara@kansai-u.ac.jp</p>	M	M	M	M
	<p>YAMANAKA Kazuya Associate Professor</p> <p>Ph. D. Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Genomics-guided Discovery of Biosynthetic Genes for Novel Bioactive Molecules ② Biosynthetic Studies for Structurally Unique Microbial Bioactive Molecules ③ Development of a Genetic Platform for Efficient Production of Bioactive Molecules URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t06 E-mail: kazuyay@kansai-u.ac.jp</p>	M	M	M	M

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Microbiology and Environmental Science	<p>IWAKI Hiroaki Professor</p> <p>Doctor of Engineering Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Analysis and development of bacterial metabolic activities for xenobiotics and its application for bioremediation of environmental pollution</p> <p>② Ecological study of xenobiotics degrading bacteria in soil and marine environments</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t07</p> <p>E-mail: iwaki@kansai-u.ac.jp</p>	○	○	○	○
	<p>KATAKURA Yoshio Professor</p> <p>Doctor of Agriculture Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Aerobic fed-batch culture of lactic acid bacteria for high cell density cultivation</p> <p>② Interaction of lactic acid bacteria with dietary fibers and intestinal mucin</p> <p>③ Production of hyaluronic acid with high molecular size by a bacterium</p> <p>④ Production of ethanol from waste paper by consolidated continuous solid state fermentation</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t08</p> <p>E-mail: katakura@kansai-u.ac.jp</p>	○	○	○	○
	<p>MATSUMURA Yoshinobu Professor</p> <p>Doctor of Engineering Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program Ph.D. Program</p>	<p>Research Topics</p> <p>① Bioremediation of chemical pollutants by environmental bacteria and their activities</p> <p>② Bacterial biofilm formation and development of biofilm removal system</p> <p>③ Outbreak mechanism of stress resistant bacterial and their resistant mechanism</p> <p>④ Bioenergy production and biomass utilization</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t10</p> <p>E-mail: ymatsu@kansai-u.ac.jp</p>	○	○	○	○
	<p>OKANO Kenji Associate Professor</p> <p>Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Metabolic engineering of microorganisms</p> <p>② Construction of artificial microbiota</p> <p>③ Genome editing of microorganisms</p> <p>URL : 未定です (4/12までに回答します)</p> <p>E-Mail : 未定です (4/12までに回答します)</p>	M	M	M	M
	<p>YAMASAKI Shino Associate Professor</p> <p>Ph. D. in Engineering Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering</p> <p>Master's Program</p>	<p>Research Topics</p> <p>① Analysis of functions of membrane vesicles produced from intestinal bacteria</p> <p>② Analysis of immune regulatory functions of intestinal bacteria</p> <p>③ Understanding the interactions between intestinal bacteria and intestinal tract or dietary fiber</p> <p>④ Application of probiotics microbial components as adjuvants</p> <p>URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t15</p> <p>E-mail: shino.ya@kansai-u.ac.jp</p>	M	M	M	M

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Research Field	Academic Advisors List		Special Entrance Examination		International Students Entrance Examination	
			Spring 2023	Fall 2023	Spring 2023	Fall 2023
Food and Nutrition Science	FUKUNAGA Kenji Professor Doctor of Fisheries Science Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① We study on the absorption, metabolism, nutrigenomics, and chemistry of marine functional compounds such as n-3 polyunsaturated fatty acid or marine organic compounds. ② Our research project also includes attempts to improve protein functionality, food process characteristics and biofunctions, using molecular modification. URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t12 E-mail: fukunagk@kansai-u.ac.jp	○	○	○	○
	YOSHIDA Munehiro Professor Doctor of Philosophy in Agriculture, Doctor of Philosophy in Medical Science Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering Master's Program Ph.D. Program	Research Topics ① Nutritional approach to minerals and trace elements in foods ② Environmental assessment of urban and rural area using community of butterflies URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t13 E-mail: hanmyou4@kansai-u.ac.jp	○	○	○	○
	HOSOMI Ryota Associate Professor Doctor of Engineering Department of Life Science and Biotechnology Faculty of Chemistry, Materials and Bioengineering Master's Program	Research Topics ① Influence of Superchilling (Hyo-On) Treatment on Food Components ② Health Promoting Effect of Novel Component Derive from Seafood URL: https://www.kansai-u.ac.jp/Fc_che/english/department/life-bio/teacher.html#t14 E-mail: hryotan@kansai-u.ac.jp	M	M	M	M

Note) The "○" mark means that both a Master's Degree Program and a Ph.D. Degree Program are available.

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Kansai University Graduate School

https://www.kansai-u.ac.jp/Gr_sch/

Senriyama Campus

Graduate School of Law Graduate School of Letters Graduate School of Economics
Graduate School of Business and Commerce Graduate School of Sociology Graduate School of Science and Engineering
Graduate School of Foreign Language Education and Research Graduate School of Psychology
Graduate School of East Asian Cultures Graduate School of Governance

Inquiries: Graduate School Admissions Division, Admissions Center

3-3-35 Yamate-cho, Suita, Osaka 564-8680

E-mail: kugrd-exam@ml.kandai.jp

Takatsuki Campus

Graduate School of Informatics

Inquiries: Takatsuki Office

Ryozenji-cho, Takatsuki, Osaka 569-1095

E-mail: k-soujyo@ml.kandai.jp

Takatsuki Muse Campus

Graduate School of Societal Safety Sciences

Inquiries: Muse Office

7-1 Hakubai-cho, Takatsuki, Osaka 569-1098

E-mail: safety_science@ml.kandai.jp

Sakai Campus

Graduate School of Health and Well-being

Inquiries: Sakai Campus Office

1-11-1 Kaorigaoka-cho, Sakai, Osaka 590-8515

E-mail: sakail@ml.kandai.jp