

■Faculty Molecular Chemistry and Engineering / International Center

■Position Vice-President · Professor



Last Updated :2024/01/05

Profile

Degree

1. 1985/03
2. 1989/10

Campus Career

- 1989/08-1998/01, Kyoto Institute of Technology, Research Associate
- 1998/02-2007/03, Kyoto Institute of Technology, Associate Professor
- 2007/04-2012/04, Kyoto Institute of Technology, Associate Professor
- 2012/05-, Kyoto Institute of Technology, Professor

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Educational Activities

Classes

1. Molecular Engineering of Polysaccharide
2. Biochemistry I
3. Biomolecular Engineering of Proteins
4. Biochemical Functions of Polymers
5. Chemistry of Biofunctional Molecules

Syllabus

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Research Activities

Research Field

Research Field:Functional biochemistry, Structural biochemistry, Chemistry and chemical methodology of biomolecules

Research Project:

1. Regulation of bacterial disease using bacteriophage and natural products
2. Functional analysis of lipid metabolism-related gene and screening for physiological active substance using Drosophila
3. Analysis of biological effects of chemicals using Drosophila

Seeds of Knowledge:[Display](#)

Papers

1. [Potent anti-cancer activity of Sphaerocoryne affinis fruit against cervical cancer HeLa cells via inhibition of cell proliferation and induction of apoptosis](#)

Author : Nghia Le-Trung; Tue Minh Duong; Thao Thi Phuong Dang; Kaeko Kamei

Journal : BMC Complementary Medicine and Therapies

Publication Date : 2023/08

2. [Lipin knockdown in pan-neuron of Drosophila induces reduction of lifespan, deficient locomotive behavior, and abnormal morphology of motor neuron](#)
Author : Yen D. H. Nguyen; Hideki Yoshida; Thanh Men Tran; Kaeko Kamei
Journal : NeuroReport
Publication Date : 2023/07
3. [Isolation, characterization, and complete genome sequence of vibrio phage KIT04, a novel lytic phage of the subfamily ermolyevavirinae](#)
Author : Anh Vo Thi Tu; Nguyen Huan Pham-Khanh; Song Han Nguyen; Hirofumi Sunahara; Trang Dai Thi Xuan; Kaeko Kamei
Journal : Virology
Publication Date : 2023/02
4. [Characterization and Complete Genomic Analysis of Vibrio Parahaemolyticus-Infecting Phage KIT05](#)
Author : Vo Thi Tu Anh; Nguyen Huan Pham-Khanh; Nguyen Song Han; Hirofumi Sunahara; Kaeko Kamei
Journal : Current Microbiology
Publication Date : 2022/08
5. [The Efficiency of Bacteriophages Against Salmonella Typhimurium Infection in Native Noi Broilers](#)
Author : NT Ngu; LNN Phuong; LH Anh; HT Loc; NT Tam; PKN Huan; TH Diep; K Kamei
Journal : Brazilian Journal of Poultry Science
Publication Date : 2022/08

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Books etc

1. Neural Proteoglycans 2007
Author : Noriko Hayashi; Kaeko Kamei
Publisher : Research Signpost
Publication Date : 2007
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