

Curriculum Vitae
Mamoru ISEMURA

Nationality: Japanese

Email: isemura@u-shizuoka-ken.ac.jp

Education:

1963-1968: Graduate School of Osaka University

1959-1963: Osaka University Faculty of Science

1968: Doctor of Science (Osaka University)

1965: Master of Science (Osaka University)

Academic position:

2016 – Present: Visiting Professor, University of Shizuoka

2006 – Present: Professor Emeritus, University of Shizuoka

1997 – 1999: Dean of the Graduate School of Nutritional and Environmental Sciences,
University of Shizuoka

1993 – 1997: Dean of School of Food and Nutritional Sciences, University of Shizuoka

1987 – 2006: Professor of School of Food and Nutritional Sciences, University of
Shizuoka

1986 – 1990: Professor of Department of Food Science, Shizuoka Women's University

1980 – 1986: Associate Professor, Tohoku University School of Medicine

1971 – 1980: Associate Professor, Niigata University School of Medicine

1968 – 1971: Research Fellow, Boston University School of Medicine

1968: Research Assistant, Osaka University Faculty of Science

Awards

2022 The Order of the Sacred Treasure, Gold Rays with Neck Ribbon.

References:

Kaken Researcher Number: 40028197

J-GLOBAL ID : 200901018668308990

CiNii ID:1000040028197

Research field:

Biochemistry; cell biology; functional food; tea science; polyphenols; plant lectins; cell adhesion molecules; natural anticancer compounds

Publications:

Books:

Isemura, M., Pervin, M., Unno, K., Saito, K., Nakamura, Y. Health Effects of Tea Consumption. In: Nutrition Guide for Physicians and Related Healthcare Professions Third Edition (Ted Wilson, Norman Temple, George A. Bray eds.), pp. 303-308. Humana Press, Cham, Switzerland. (2022) ISBN 978-3-030-82514-0 <https://doi.org/10.1007/978-3-030-82515-7>

Hayakawa, S.; Oishi, Y.; Tanabe, H.; Isemura, M.; Suzuki, Y. Tea, Coffee and Health Benefits. In Bioactive Molecules in Food; Mérillon, J.-M., Ramawat, K.G., Eds.; Springer International Publishing: Cham, Switzerland, 2018; pp. 1–58. ISBN 978-3-319-78029-0.

Saeki, K.; Minami, T.; **Isemura, M.** Studies by Japanese Scientists on the Health Benefits of Green Tea. In Health Benefits of Green Tea: An Evidence-Based Approach. (eds. Y. Hara, CS. Yang, M. Isemura and I. Tomita), CAB International, 2017; pp. 29-36. ISBN-13: 978-1-78639-239-8

Suzuki, T.; Miyoshi, N.; Hayakawa, S.; Imai, S.; **Isemura, M.**; Nakamura, Y. Health Benefits of Tea Consumption. In Beverage Impacts on Health and Nutrition; Wilson, T., Templ, N.J., Eds.; Springer International Publishing: Cham, Switzerland, 2016; pp. 29–47. ISBN 9783319236728.

Review articles:

Effects of Epigallocatechin-3-Gallate on Matrix Metalloproteinases in Terms of Its Anticancer Activity. Tanabe H, Suzuki T, Ohishi T, **Isemura M**, Nakamura Y, Unno K. Molecules. 2023 Jan 5;28(2):525. doi: 10.3390/molecules28020525.PMID: 36677584

Contribution of Non-Coding RNAs to Anticancer Effects of Dietary Polyphenols: Chlorogenic Acid, Curcumin, Epigallocatechin-3-Gallate, Genistein, Quercetin and Resveratrol. Hayakawa S, Ohishi T, Oishi Y, **Isemura M**, Miyoshi N. Antioxidants (Basel). 2022 Nov 28;11(12):2352. doi: 10.3390/antiox11122352.PMID: 36552560

The Beneficial Effects of Principal Polyphenols from Green Tea, Coffee, Wine, and Curry on Obesity. Ohishi T, Fukutomi R, Shoji Y, Goto S, **Isemura M**. Molecules. 2021 Jan 16;26(2):453. doi: 10.3390/molecules26020453.PMID: 33467101

Beneficial Effects of Epigallocatechin-3-O-Gallate, Chlorogenic Acid, Resveratrol, and Curcumin on Neurodegenerative Diseases. Fukutomi R, Ohishi T, Koyama Y, Pervin M, Nakamura Y, **Isemura M**. Molecules. 2021 Jan 14;26(2):415. doi: 10.3390/molecules26020415.PMID: 33466849

Anti-Cancer Effects of Green Tea Epigallocatechin-3-Gallate and Coffee Chlorogenic Acid. Hayakawa S, Ohishi T, Miyoshi N, Oishi Y, Nakamura Y, **Isemura M**. Molecules. 2020 Oct 5;25(19):4553. doi: 10.3390/molecules25194553.PMID: 33027981

Pervin M, Unno K, Takagaki A, **Isemura M**, Nakamura Y. Function of Green Tea Catechins in the Brain: Epigallocatechin Gallate and its Metabolites. *Int J Mol Sci.* 2019 Jul 25;20(15):3630. doi: 10.3390/ijms20153630. PMID: 31349535

Nakano S, Megro SI, Hase T, Suzuki T, **Isemura M**, Nakamura Y, Ito S. Computational Molecular Docking and X-ray Crystallographic Studies of Catechins in New Drug Design Strategies. *Molecules.* 2018;23(8). pii: E2020. doi: 10.3390/molecules23082020. PMID:30104534

Saeki K, Hayakawa S, Nakano S, Ito S, Oishi Y, Suzuki Y, **Isemura M**. In Vitro and In Silico Studies of the Molecular Interactions of Epigallocatechin-3-*O*-gallate (EGCG) with Proteins That Explain the Health Benefits of Green Tea. *Molecules.* 2018;23(6). pii: E1295. doi: 10.3390/molecules23061295. PMID:29843451

Suzuki T, Pervin M, Goto S, **Isemura M**, Nakamura Y. Beneficial Effects of Tea and the Green Tea Catechin Epigallocatechin-3-gallate on Obesity. *Molecules.* 2016;21(10). pii: E1305. PMID:27689985

Ohishi T, Goto S, Monira P, **Isemura M**, Nakamura Y. Anti-inflammatory Action of Green Tea. *Antiinflamm Antiallergy Agents Med Chem.* 2016;15(2):74-90. doi: 10.2174/1871523015666160915154443. PMID:27634207

Original articles:

Tanaka K, Ohgo Y, Katayanagi Y, Yasui K, Hiramoto S, Ikemoto H, Nakata Y, Miyoshi N, **Isemura M**, Ohashi N, Imai S. Anti-inflammatory effects of green soybean extract irradiated with visible light. *Sci Rep.* 2014;4:4732. doi: 10.1038/srep04732. PMID:24751752

Suzuki Y, **Isemura M**. Binding interaction between (-)-epigallocatechin gallate causes impaired spreading of cancer cells on fibrinogen. *Biomed Res.* 2013;34(6):301-8. PMID:24389406

Katayanagi Y, Yasui K, Ikemoto H, Taguchi K, Fukutomi R, **Isemura M**, Nakayama T, Imai S. The clinical and immunomodulatory effects of green soybean extracts. *Food Chem.* 2013;138(4):2300-5. doi: 10.1016/j.foodchem.2012.12.014. Epub 2012 Dec 22. PMID:23497889

Yasui K, Paeng N, Miyoshi N, Suzuki T, Taguchi K, Ishigami Y, Fukutomi R, Imai S, **Isemura M**, Nakayama T. Effects of a catechin-free fraction derived from green tea on gene expression of enzymes related to lipid metabolism in the mouse liver. *Biomed Res.* 2012;33(1):9-13. PMID:22361881

Yasui K, Tanabe H, Miyoshi N, Suzuki T, Goto S, Taguchi K, Ishigami Y, Paeng N, Fukutomi R, Imai S, **Isemura M**. Effects of (-)-epigallocatechin-3-*O*-gallate on expression of gluconeogenesis-related genes in the mouse duodenum. *Biomed Res.* 2011;313-20. PMID:22033300

Pervin M, Paeng N, Yasui K, Imai S, **Isemura M**, Yokogoshi H, Nakayama T. Effects of *Lens culinaris* agglutinin on gene expression of gluconeogenic enzymes in the mouse intestine. *J Sci Food Agric*. 2012;92(4):857-61. doi: 10.1002/jsfa.4658. Epub 2011 Oct 3. PMID:21969243

Goto S, Okada N, Kaneko A, **Isemura M**. Different effects of all-trans-retinoic acid on phorbol ester-stimulated and phytohemagglutinin-stimulated interleukin-2 expression in human T-cell lymphoma HUT-78 cells. *Cell Struct Funct*. 2008;33(1):13-9. Epub 2008 Feb 22. PMID:18296860

Abe K, Suzuki T, Ijiri M, Koyama Y, **Isemura M**, Kinoshita N. The anti-fibrotic effect of green tea with a high catechin content in the galactosamine-injured rat liver. *Biomed Res*. 2007;28(1):43-8. PMID:17379956

Suzuki T, Tazoe H, Taguchi K, Koyama Y, Ichikawa H, Hayakawa S, Munakata H, **Isemura M**. DNA microarray analysis of changes in gene expression induced by 1,25-dihydroxyvitamin D₃ in human promyelocytic leukemia HL-60 cells. *Biomed Res*. 2006;27(3):99-109. PMID:16847355

Editorial:

Isemura M. Catechin in Human Health and Disease. *Molecules*. 2019 Feb 1;24(3):528. doi: 10.3390/molecules24030528. PMID: 30717121