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TITLE: Professor, Department Chair, Deans of Graduate School and Graduate Division

AFFILIATION: Laboratory of Plant Molecular Improvement
 Graduate Division of Nutritional and Environmental Sciences
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MAJOR RESEARCH INTERESTS: Chloroplast biogenesis, tolerance of plants to environmental stresses, plant biofortification

ACADEMIC CAREER HISTORY:

2013-present: Dean, Graduate School of Integrated Pharmaceutical and Nutritional Sciences; Dean, Graduate Division of Nutritional and Environmental Sciences
2006-2011: Dean, Graduate School of Nutritional and Environmental Sciences, University of Shizuoka
2005-2006, 2011-present: Department Chair, Department of Food and Nutritional Sciences, Graduate School of Nutritional and Environmental Sciences, University of Shizuoka
2003-present: Professor, Graduate Division of Nutritional and Environmental Sciences, University of Shizuoka
1991-2003: Associate Professor, Graduate School of Nutritional and Environmental Sciences, University of Shizuoka
1993-1998: Associate Professor (Adjunct), National Institute for Basic Biology, collaborated with Kimiyuki Satoh
1984-1991: Assistant Professor, Radioisotope Research Center, Nagoya University
1983-1984: Postdoctoral Fellow for Research Abroad of Japan Society for the Promotion of Science (JSPS), the late Lawrence Bogorad's laboratory, Biological Laboratories, Harvard University
1982: Ph.D. Degree (Plant Biochemistry, Nagoya University), the late Takashi Akazawa's laboratory

SELECTED PUBLICATIONS (IF and Times Cited in 2011):

1. Shimizu, M., Kato, H., Ogawa, T., Kurachi, A., Nakagawa, Y., and Kobayashi, H.: Sigma factor phosphorylation in the photosynthetic control of photosystem stoichiometry. *Proc. Natl. Acad. Sci. USA*, **107**, 10760-10764 (2010) [IF: 9.432]
2. Shimizu, M., Goto, M., Hanai, M., Shimizu, T., Izawa, N., Kanamoto, H., Tomizawa, K.-I., Yokota, A., and Kobayashi, H.: Selectable tolerance to herbicides by mutated acetolactate synthase genes integrated into the chloroplast genome of tobacco. *Plant Physiol*, **147**, 1976-1983 (2008) [IF: 6.235]
3. Tsugane, K., Kobayashi, K., Niwa, Y., Ohba, Y., Wada, K., and Kobayashi, H.: A recessive *Arabidopsis* mutant that grows photoautotrophically under salt stress shows enhanced active-oxygen detoxification. *Plant Cell*, **11**, 1195-1206 (1999) [IF: 9.293/Times Cited: 96]
4. Niwa, Y., Hirano, T., Yoshimoto, K., Shimizu, M., and Kobayashi, H.: Non-invasive quantitative detection and applications of nontoxic-, S65T-type green fluorescent protein in living plants. *Plant J.*, **18**, 455-463 (1999) [IF: 6.946/Times Cited: 201]
5. Isono, K., Shimizu, M., Yoshimoto, K., Niwa, Y., Satoh, K., Yokota, A., and Kobayashi, H.: Leaf-specifically expressed genes for polypeptides destined for chloroplasts with domains of σ^{70} factors of bacterial RNA polymerases in *Arabidopsis thaliana*. *Proc. Natl. Acad. Sci. USA*, **94**, 14948-14953 (1997) [IF: 9.432/Times Cited: 98]
6. Chiu, W., Niwa, Y., Zeng, W., Hirano, T., Kobayashi, H., and Sheen, J.: Engineered GFP as a vital reporter in plants. *Curr. Biol.*, **6**, 25-330 (1996) [IF: 10.992/Times Cited: 761]