

## **TAJIMA Ryosuke, Ph.D**

- Agronomist | Modeler | Root scientist

### **Academic Degrees**

- BSc 2001 Faculty of Agriculture, Hokkaido University
- MSc 2003 Graduate School of Agriculture, Hokkaido University
- Ph.D 2006 Graduate School of Agricultural and Life Sciences, the University of Tokyo

### **Professional Experience**

- April 2006 - October 2007:  
Post doctoral Fellow, Field Production Science Center, Graduate School of Agricultural and Life Sciences, the University of Tokyo
- November 2007 - April 2008:  
Post doctoral Fellow, National Agricultural Research Center for Hokkaido Region on loan from Hokkaido Intellect Tank
- May 2008 - September 2022:  
Assistant Professor, Field Science Center, Graduate School of Agriculture Science, Tohoku University
- October 2022 - current:  
Associate Professor, Field Science Center, Graduate School of Agriculture Science, Tohoku University

### **Publications**

- Hisashi Nasukawa, Ryosuke Tajima, Maria Clarinda Filomena Pereira, Joao Antonio Pedro, Satoshi Nakamura, Monrawee Fukuda, Junji Koide, Tetsuji Oya, Koki Homma, 2025. Management strategies for regenerative agriculture based on the assessment of soil fertility in northern Mozambique. *Geoderma Regional*, 40, e00912.
- Hisashi Nasukawa, Yoshiki Kuwabara, Kenichi Tatsumi, Ryosuke Tajima, 2025. Rice yield and energy balance in an agrivoltaic system established in Shonai plain, northern Japan, *Science of The Total Environment*, 959, 178315.
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- Matsuoka-Uno, C., Uno, T., Tajima, R., Ito, T. and Saito, M. 2022. Liming and Phosphate Application Influence Soil Carbon and Nitrogen Mineralization Differently in Response to Temperature Regimes in Allophanic Andosols. *Agriculture*. 12: 142.
- Susilawati, P. N., Tajima, R., Giamerti, Y., Yang, Y., Yufdy, M. P., Lubis, I. and Homma, K. 2022. Application of consecutive polyethylene glycol treatments for modeling the seminal root growth of rice under water stress. *Scientific Reports*. 12: 2096.
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- Tajima, R. 2021. Importance of individual root traits to understand crop root system in agronomic and environmental contexts. *Breeding Science* 71(1). 13-19.
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