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Research areas: Agriculture, Agroecology, Agrotechnology, Biodiversity, Soil science, Organic farming.

Research keywords: Field crop and soil management, climate-smart agriculture, crop quality, ecosystem services, nutrient management, soil fertility.

h-index: 3 (Scopus@ Aug 2025); 5 (Google Scholar@Aug 2025),
Citations: 108 total citations @ Aug 2025 (source Scopus); 225 total citations @ Aug 2025 (source Google Scholars).

Livija Zarina is a Leading Researcher at the Institute of Agricultural Resources and Economics (AREI). She earned a Doctor of Agricultural Sciences (Dr. agr.) degree in 1987, specializing in plant breeding and seed production. Her research is closely related to sustainable agriculture, agroecology, and agrobiodiversity, offering practical strategies for organic field crop production in temperate climate zones. Her interdisciplinary, data-rich approach encompasses the ecological, agronomic, and socio-economic aspects of farming systems. In recent years, she has focused on the possibilities of implementing precision technologies in practical crop production. Dr. agr. L. Zariņa is a coordinator and participant of national and international research projects. She actively collaborates with research organizations and companies in other countries.