CONTENTS

The significance of scientific development at the Latvia University of Agriculture J. Skujāns	3
Research Activities of Latest Decades in the Faculty of Agriculture A. Adamovičs, A. Kārkliņš, M. Āboliņš, I. Alsiņa, B. Bankina, Z. Grīslis, D. Lapiņš, U. Osītis, A. Ruža, I. Turka, I. Žukauska	4
Science of Veterinary Medicine from 1990 to 2009 E. Birgele	20
Scientific Activities of Forest Faculty L. Līpiņš, A. Dreimanis, A. Domkins, D. Dubrovskis, U. Spulle, H. Tuherms	27
Agricultural Engineering and Pedagogical Sciences at the Faculty of Engineering K. Vārtukapteinis	36
Dimensions of Agri-environmental Research in the Department of Environmental Engineering and Water Management V. Jansons, R. Sudārs	47
Materials and Technologies for Rural Engineering: Investigations and Practice J. Brauns, G. Andersons, J. Kreilis, J. Skujāns, U. Iljins	59
Research at the Faculty of Food Technology D. Kārkliņa, A. Blija, L. Dukaļska, M. Dūma, R. Galoburda	65
Scientific Concern of Economists at the Turn of the Century K. Špoģis, I. Pilvere	72
Faculty of Social Sciences. Results – Achievements – Prospects S. Bremze	80
Information Technologies Step into New Scientific Areas E. Stalidzāns, I. Arhipova, U. Iljins, L. Paura, A. Vintere, A. Zeidmane, A. Zujevs, R. Ozoliņš, P. Rivža	89
The Experience of RI "Sigra" towards Improved Research Capacity and Better Integration into European Research Area A. Jemeljanovs	102
The Output of the Research Institute of Agricultural Machinery since 1990 S. Ivanovs, D. Viesturs, A. Vilde, I. Ziemelis	110
Research Institute of Agriculture: Scientific Activities of Last Decades 1990-2009 A. Jansons, J. Vigovskis, B. Jansone, A. Švarta	121
Development of the Research and Study Farm "Vecauce" Z. Gaile	126
Science at Latvia University of Agriculture –achievements and future perspectives P. Rivža, I. Alsiņa	144
Contribution of Agricultural Scientists in Scientific Academies of Latvia B. Rivža	149
Development of cooperation between agricultural science and research institutions in Latvia, Lithuania and Estonia. A. Kusta	154

Latvian and Estonian agricultural universities – a longterm mutually supportive co-operation M. Klaassen, A. Luik	157
Research in Veterinary Pathology in Latvia: from the Past to the Future I. Matise	158
Contribution of Latvian scientists' for development of dairy farming in the last 10 years D. Kairiša, D. Jonkus	160
Soil Classification - Reflection of our Knowledge on Soils A. Kārkliņš	162
Studies on cranberry cultivation of historical perspective M. Āboliņš	164
Maize in Latvia - Research during the Past Century Z. Gaile	165
Studies of Wood Resources Dynamics in the Faculty of Forest I. Liepa	167
Reports and Articles – can They be Considered as a Successful Result of Research? U. Viesturs, D. Kārkliņa, A. Zilevica	169
Challenges of Integration on the International Level of the Department of Wood Processing of Latvia University of Agriculture A. Domkins, U. Spulle	171
Improvement of Scientific Qualification in Latvia University of Agriculture during 70 years K. Vārtukapteinis, T. Tabunova	173
Professor Arvids Leppiks – founder of the agricultural engineering in Latvia. A. Vilde	175
Development of Agricultural Mechanics during the Past 50 Years A. Vilde	177
Development of Rural Sociology in Latvia M. Krūzmētra	179
Regional Higher Education Institutions and their Contribution to Economic Development Efforts G. Mazūre, D. Vīksne, B. Rivža	181
Ecology of Education as a New Interdisciplinary Research Trend I. Katane	183
Rural-Urban Fringe in Latvia after the Administrative Territorial Reform A. Zobena	185
Motivation of Students of Rural Vocational Secondary Schools for Studies in Latvia University of Agriculture I. Soika, B. Briede	186
Main Tendencies of the Development of Small Towns J. Ķusis	188
Application of the Analytic Hierarchy Process in Education and Research in Latvia University of Agriculture S. Rivža, P. Rivža	189