

## CONTENTS / OBSAH

1.	BRÁNICKÝ FILIP - HÚSENICOVÁ JARMILA Contribution to balanced territorial development of villages in Slovak republic	6
2.	FRANEK MICHAL - LENDELOVÁ JANA - MACÁK MAREK - RUBOVÁ OĽGA Pressure distribution on duopitch roofs for agricultural structures	12
3.	HANUSOVÁ JANA - KNÍŽKOVÁ IVANA - KUNC PETR The effect of temperature-humidity index on selected parameters in robotic milking	17
4.	ILKOVIČOVÁ ĽUBICA - ILKOVIČ JÁN Diversification of activities - supposition of rural settlements space development	22
5.	KUNC PETR - KNÍŽKOVÁ JANA The effect of construction disposition on air temperature in milking parlours	30
6.	LENDELOVÁ JANA - KARANDUŠOVSKÁ INGRID - ŽITŇÁK MIROSLAV - SZABÓOVÁ TÍMEA - BOĎO ŠTEFAN Laboratory testing of the impact of climate conditions on changes in thermal-technical characteristics of organic litter	33
7.	MORVAI PETER - ŽITŇÁK MIROSLAV Backup diesel generator calculation for farms	38
8.	NÉMETHOVÁ MICHAELA - LENDELOVÁ JANA - ŽITŇÁK MIROSLAV Dust concentration analysis using recycled manure litter in dairy farm	43
9.	PEŠATA MICHAL - PROCHÁZKA LUKÁŠ - BOHÁČOVÁ JANA Overview of industrial chimneys - materials, development of structures, differences, possibility of protection	49
10.	SZABÓOVÁ TÍMEA - KARANDUŠOVSKÁ INGRID - LENDELOVÁ JANA Impact of intensity heating on CO <sub>2</sub> concentration in poultry breeding in summer and winter season	55
11.	TERPÁKOVÁ EVA New trends in application of renewable and recycled materials in construction	61
12.	VARGA TIBOR - MACHÁČOVÁ KLÁRA - UHRÍK MARTIN The apihouse experimental chamber	67
13.	BALKOVÁ MILADA - PÁLEŠ DUŠAN Statistical comparison of daylight factor in the feeding passage and manure corridors	73

14. BILČÍK MATÚŠ - BOŽIKOVÁ MONIKA - KÓSA PATRIK - KIŠEV MARIÁN The influence of photovoltaic module tilt angle on the solar system energy production	83
15. BOČKAJ JOZEF - ŽILINSKÝ ĽUBOŠ Elimination of wind flow velocity in agriculture	89
16. SOPIROVÁ ALŽBETA Living in rural background	95
17. ŠTEPÁNKOVÁ ROBERTA - ČÍBIK MIROSLAV - FERIANCOVÁ ĽUBICA Small sacral architecture in the commune Jarok	101