

THE USE OF WASTE RAW MATERIALS FOR SOIL IMPROVEMENT

PROJECT PROPOSAL



Crop Research Institute
**DIVISION OF
LAND
MANAGEMENT
SYSTEMS**



**Research team VT02
„Technology for
sustainable
agriculture
and landscape
restoration”
(TESALAR)**

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**SOIL-
CON.**

BACKGROUND

- KEY ISSUES

- CONSERVATION OF SOIL ORGANIC CARBON STOCKS
- STOP SOIL SEALING
- REDUCTION OF SOIL POLLUTION AND ENHANCING OF RESTORATION
- PREVENTION OF EROSION
- IMPROVING SOIL STRUCTURE AND ENHANCING OF SOIL BIODIVERSITY

INTRODUCTION

- APPLIED RESEARCH
 - IMPROVING WASTE PROPERTIES
 - PROCESSING TECHNOLOGIES
 - PRE-TREATMENT
 - TREATMENT
 - POST-TREATMENT

PROPOSAL

- WASTE RAW MATERIALS
 - FERTILIZERS
 - SOIL IMPROVERS (CONDITIONERS)
 - ADDITIVES
 - CHEMICALS

CONCLUSIONS

- INCREASE SOIL ORGANIC MATTER
- IMPROVE SOIL STRUCTURE
- IMPROVEMENT OF SOIL HEALTH
- STOP EROSION
- INCREASE SOIL DIVERSITY