

SUMMARY

A. Brief presentation of Maramures, Baia Mare and Technical University of Cluj Napoca

B. From Nano-Structured Titania-based Composites to Active and Biodegradable Food Packaging

B1. INTRODUCTION

B2. PREPARATION, CHARACTERIZATION AND PHOTOACTIVITY OF TiO₂ AEROGELS

B3. PREPARATION, CHARACTERIZATION AND PHOTOACTIVITY OF TiO₂ – SiO₂ AEROGELS

B4. PREPARATION, CHARACTERIZATION AND PHOTOACTIVITY OF Au - TiO₂ and Ag - TiO₂ AEROGELS

B5. INCLUSION OF NANOSTRUCTURED TiO₂ – BASED COMPOSITE INTO ACTIVE FOOD PACKAGING

B6. ATTEMPTS TO DEVELOP BIODEGRADABLE PVA-BASED FILMS