

TABLE OF CONTENT

CHAPTER I. INJECTION MOLDING

1. <i>Sikora J.W.</i> : The impact of injection molding technological parameters and mold design on the properties of molded product	9
2. <i>Duleba B., Greškovič F.</i> : PP/MMT nanocomposites - effect of nanoclay on material properties	24
3. <i>Gajdoš I., Spišák E., Greškovič F., Duleba B.</i> : Warpage optimization of moldings by DOE	37
4. <i>Jachowicz T., Krasinskyi V., Gajdoš I.</i> : Investigation of the influence of pro-degradant's content on the selected properties of polymer composite	53
5. <i>Dulebová L., Krasinskyi V.</i> : Qualitative evaluation of selected mechanical properties of composites produced by injection molding after degradation	78
6. <i>Samujlo B., Markovičová L.</i> : Producibility of filled injection molded parts...	92

CHAPTER II. EXTRUSION

1. <i>Garbacz T., Duleba B., Moravskyi V.</i> : Influence of extrusion conditions on efficiency and quality of processed polymer blends	109
2. <i>Tor-Świątek A., Liptáková T.</i> : Contemporary polymer composites obtained in the extrusion process	122
3. <i>Moravskyi V., Krasinskyi V., Suberlyak O., Sikora J.W.</i> : Effect of nature and amount of polypropylene composite filler on the productivity of extruder with the cylinder equipped with grooves	133

CHAPTER III. COMPOSITES

1. <i>Krasinskyi V., Suberlak O., Baran N., Duleba B.</i> : The obtaining of composite materials in the matrix of modified novolacs for molding polymers and heat-resistant enamels	145
2. <i>Duleba B., Greškovič F., Spišák E., Dulebová L.</i> : The effect of fillers on the mechanical properties of filled materials	160
3. <i>Levytskyj V., Laruk Y., Masyuk A.</i> : Technological and physicochemical regularities of obtaining modified polyvinyl chloride – polystyrene metal containing composites	176
4. <i>Duleba B., Spišák E.</i> : Polymer clay nanocomposites – properties, preparation and application	196
5. <i>Grytsenko O., Suberlak O., Gajdoš I., Fedasiuk D.</i> : The features of film composite hydrogel materials obtaining technology by centrifugal molding ...	213