

EFFECT OF ETHANOL FRACTION ON THE SOLUBILITY AND CRYSTALLIZATION BEHAVIOR OF SUCROSE IN WATER OBSERVED BY CRYSTAL16

DAMLA AVCI, SIMONA GILLAROVÁ, SVATOPLUK HENKE, ZDENĚK BUBNÍK, PETRA SMRČKOVÁ, ROMAN BLEHA, MARCELA SLUKOVÁ, EMMANUELE PARISI, CECILIA FIORE, ELENA SIMONE

5

EFFECT OF CROSS-LINKING ON MOLECULAR DYNAMICS OF WATER AND MICRORHEOLOGICAL PROPERTIES OF STARCH PASTES

PATRYCJA JANKOWSKA, HANNA MARIA BARANOWSKA, ALEKSANDRA ZARYCZNIK, KAROLINA RYBARSKA, JOANNA LE THANH-BLICHARZ

9

FRACTIONATION OF EXOPOLYSACCHARIDES PRODUCED BY LACTIC ACID BACTERIUM *LACTICASEIBACILLUS RHAMNOSUS*

ROMAN BLEHA, BLANKA VRCHOTOVÁ, JANA ČOPIKOVÁ, ANDREJ SINICA, JIRÍ ŠTĚTINA

14

ACIDIC HYDROLYSIS OF XANTHAN GUM

SIMONA GILLAROVÁ, SVATOPLUK HENKE, MARKÉTA KOSTOVÁ, ZDENĚK BUBNÍK, VLADIMÍR POUR, MARCELA SLUKOVÁ

19

SEPARATION OF CARBOHYDRATES FROM RAW SUGAR BEET JUICE BY ION EXCHANGERS

SIMONA GILLAROVÁ, JÁCHYM ŠILHA, SVATOPLUK HENKE, VLADIMÍR POUR, ZDENĚK BUBNÍK

25

THE ROLE OF SELECTED POLYSACCHARIDES IN OAT DEFENSE AGAINST CADMIUM

MICHAELA HAVRLENTOVÁ, VERONIKA GREGUSOVÁ, MARTINA HUDCOVICOVÁ, DANIEL MIHÁLIK, KATARÍNA ONDREIČKOVÁ, ILDIKÓ MATUŠÍKOVÁ, ROMAN KUNA, BEÁTA PIRŠELOVÁ

31

LIGHT SCATTERING AND LOW FIELD NMR STUDIES OF OXIDIZED (E 1404) AND ACETYLATED (E 1420) STARCH PASTES: THE EFFECT OF DEGREE OF SUBSTITUTION VS. SUCROSE CONTENT

PATRYCJA JANKOWSKA, ŁUKASZ MASEWICZ, PRZEMYSŁAW SIEJAK, KATARZYNA DEMCZUK, JACEK LEWANDOWICZ

35

GRAPE POMACE AS A NATURAL INGREDIENT IN MUFFIN TECHNOLOGY

LUCIE JURKANINOVA, IVA KUCEROVA, VACLAV DVORACEK, JAN TAUCHEN, ADELA FRANKOVA

39

STRUCTURAL ANALYSIS OF POLYSACCHARIDES FROM BLACK PEARL MUSHROOM

RASTISLAV KORMAN, ROMAN BLEHA, MIROSLAV JOZÍFEK, MAREK SOGEL, ANDREJ SINICA, JANA ČOPIKOVÁ, PAVEL KLOUČEK

42

NUTRITIONALLY VALUABLE LABORATORY EXTRUDATES PREPARED FROM LEGUMES

PETRA SMRČKOVÁ, MARKÉTA BAUEROVÁ, EVŽEN ŠÁRKA, IVAN ŠVEC

48

STRUCTURAL ANALYSIS OF POLYSACCHARIDE FRACTIONS FROM BREWER'S SPENT GRAIN

MAREK SOGEL, ROMAN BLEHA, RASTISLAV KORMAN, PAVEL SKŘIVAN, MARCELA SLUKOVÁ, ANDREJ SINICA

54

POLYSACCHARIDE-BASED GLUTEN-FREE PASTA ENRICHED WITH EXTRUDED SUGAR BEET POMACE: FUNCTIONAL AND QUALITY PROPERTIES

MAREK KRUCZEK, DOROTA GUMUL, KRZYSZTOF SURÓWKA

57

ANALYTICAL APPROACHES FOR CHITOSAN DETERMINATION IN DIETARY SUPPLEMENTS: A PILOT STUDY

EVA ŠVIRÁKOVÁ, LADISLAVA TRÁSÁKOVÁ, ADÉLA CHMELÍKOVÁ, ROMAN BLEHA, FRANTIŠEK KVASNIČKA, ALEŠ RAJCHL

61

SYNTHESIS AND CHARACTERIZATION OF CHITOSAN-BASED ACTIVATED CARBON BEADS FOR EFFICIENT CO₂ ADSORPTION

GYEONG-WON JEONG, WOONG-GIL HONG, JAE-WOON NAH

67