**References**

1. R. Augustine, N. Kalarikkal, S. Thomas. (2014) Role of wound dressings in the management of chronic and acute diabetic wounds: A Holistic Approach to Diagnosis and Treatment, Oakville: Apple Academic Press, 273-314.
2. S.W. Shalaby, K. J. L. Burg, (2003) editors, Absorbable and biodegradable polymers (advances in polymeric materials) Boca Roton: CRC Press.
3. E. Piskin, (1995)Biodegrdable polymers as biomaterials. J. Biomat Science Polym Ed**.** 6; 775-795.doi:10.1163/156856295X00175
4. M. A. Woodruff, D. W. Hutmacher. (2010) The return of a forgotten polymer Polycaprolactone in the 21st century. Prog. Polym. Sci. 35, 1217-1256. doi:10.1016/j.progpolymsci.2010.04.002
5. C.G. Pitt. (1990) Poly-α-caprolactone and its copolymers. In: Chasin M,Langer R, editors. Biodegradable polymers as drug delivery systems. New York: Marcel Dekker; 45,71–120.
6. A.D. Campos,S. M. M. Franchetti. (2005)Braz. Arch. Biol. Techn. 48, 235-243doi:10.1590/S1516-9132005000200010
7. Y. Tokiwa, B. P. Calabia, C. U. Ugwu, S. Aiba, (2009) Biodegradability of Plastics, Int. J. Mol. Sci. 10, 3722-3742**,** doi:10.3390/ijms10093722
8. Luciani, V. Coccoli, S. Orsi, L. Ambrosio, P. A. Netti. (2008) PCL microspheres based functional scaffolds by bottom-up approach with predefined microstructural properties and release profiles. Biomaterials 29, 4800–4807. doi:10.1016/ j.biomaterials.2008.09.007
9. Marrazzo , E. Di Maio, S. Iannace. (2008) Conventional and nanometric nucleating agents in poly(epsilon-caprolactone) foaming: crystals vs. bubbles nucleation. Polym Eng Sci 48, 336–344. doi:10.1002/pen.20937
10. Zein,D.W. Hutmacher,K.C. Tan, S.H. Teoh. (2002) Fused deposition modeling of novel scaffold architectures for tissue engineering applications. Biomaterials,23, 1169–1185. doi:10.1016/S0142-9612(01)00232-0
11. Y. Wang,M. A Rodriguez-Perez., R.L. Reis, J. F. Mano. (2005)Thermal and thermo-mechanicalbehaviour of polycaprolactone and starch/polycaprolactone blends for biomedical applications. Macromolecular Materials and Engineering,290, 792–801 doi:10.1002/mame.200500003.
12. C. P. Fonseca, D. S. Rosa, F. Gaboardi, S. Neves (2006) Development of a biodegradable polymer electrolyte for rechargeable batteries. Journal of Power Sources,155, 381–384. doi:10.1016/j.jpowsour.2005.05.004
13. H. J. Woo, S. R. Majid, A. K. Arof. (2011) Conduction and thermal properties of a proton conducting polymer electrolyte based on poly (α-caprolactone). Solid State Ionics, 199–200, 14–20. doi:10.1016/j.ssi.2011.07.007
14. C. P. Fonseca, S. Neves. (2006) Electrochemical properties of a biodegradable polymer electrolyte applied to a rechargeable lithium battery. Journal of Power Sources, 159, 712–716. doi:10.1016/j.jpowsour.2005.10.095
15. C. P. Fonseca, Jr. F. Cavalcante,F. A. Amaral, C. A. Zani Souza,S.Neves. (2007) Thermal and conduction properties of a PCL-biodegradable gel polymer electrolyte with LiClO4, LiF3CSO3, and LiBF4 salts. International Journal of Electrochemical Science, 2, 52–63
16. B. C. Ng, H. Y. Wong,K. W. Chew,Z. Osman (2011)Development and characterization of poly-α-caprolactonebased polymer electrolyte for lithium rechargeable battery. International Journal of Electrochemical Science, 6, 4355–4364
17. Pandey, J.K.; Chu, W.S.; Lee, C.S.; Ahn, S.H. Preparation characterization and performance evaluation of nanocomposites from natural fiber reinforced biodegradable polymer matrix for automotive applications. Presented at the International Symposium on Polymers and the Environment: Emerging Technology and Science, Bioenvironmental Polymer Society (BEPS), Vancouver, WA, USA, 17–20 October 2007.
18. Sinha, S.R.; Bousmina, M. Biodegradable polymer/layered silicate nanocomposites. In Polymer Nanocomposites; Mai, Y., Yu, Z., Eds.; Wood head Publishing and Maney Publishing: Cambridge, England, 57-129
19. R.D. Rogers, K.R. Seddon, (2002) (Ed.), ACS symposium series vol 818, American chemical Society Washington D.C.
20. A.L. Saroj, R. K. Singh, S. Chandra. (2013) Studies on polymer electrolyte (polyvinyl pyrrolidone, PVP) complexed with ionic liquid: Effect on complexation on thermal stability conductivity and reduction behavior; Mater Sci. Eng. B 178,231-238. doi:10.1016/j.mseb.2012.11.007
21. Lewandoweski, A Swiderska-Mocek,L. Waliszeweski, M. Galinski. (2012) Lithium redox behavior in N-methyl-n-propylpyrrolidiniumbis (trifluromethanesulphonyl) imide room temperature ionic liquid, J. Power Source, 197, 292-296.doi: 10.1016/j.jpowsour.2011.08.109
22. K. Nath, A. Kumar. (2014) Swift heavy ion irradiation induced enhancement in electrochemical properties of ionic liquid based PVdF-HFP-layered silicate nanocomposite electrolyte membranes, Journal of Membrane Science, **453,** 192-201. doi:10.1016/j.memsci.2013.10.061
23. V. Aravindan, P.Vickraman (2008) Characterization of SiO2 and Al2O3 Incorporated PVDF – HFP based Composite Electrolytes with LiPF3(CF3CF2)3. J. App. Poly. Sci.108, 1314-1322. doi:10.1002/app.27824
24. M. J. Koh, H. Y. Hwang,D. J. Kim,H. J., Kim, Y.T., Hong,S.Y. Nam, (2010) Preparation andCharacterization of Porous PVdF-HFP/clay Nanocomposite Membranes. J. Mater. Sci. Technol. 26**,** 633-638. doi:10.1016/S1005-0302(10)60098-9
25. B.S. Lalia, K. Yamada,M.S. Hundal, J.S.Park, G.G. Park, Q.Y.Lee, C.S.Kim, S.S. Sekhon, (2009) Physicochemical studies of PVdF–HFP-based polymer–ionic liquid composite electrolytes, Appl Phys A 96, 661-670.doi:10.1007/s00339-009-5129-y
26. J. Fuller, A. C. Breda, R.T.Carlin, (1997) Ionic liquid-polymer gel electrolytes. J. Electrochem. Soc.144**,** 67-70.doi:10.1149/1.1837555
27. L. E. Alexander, (1979)“X-ray Diffraction Methods in Polymer Science”, edited by R. E. Krieger, Krieger, New York, pp 423-424.
28. P. Scherrer, (1918) Bestimmung der Grsse undder InnerenStruktur vonKolloidteilchen Mittels Rntgenstrahlen, Nachrichten von der GesellschaftderWissenschaften, Gttingen, Mathematisch- Physikalische Klasse, 2**,** 98-100.
29. S. Suganya,T. Senthil Ram,B.S. Lakshmi, and V.R. Giridev, (2011) Herbal drug incorporated antibacterial nanofibrous mat fabricated by electrospinning: An excellent matrix for wound dressings. J. Appl. Polym. Sci. 121, 2893-2899. doi:10.1002/app.33915
30. N. Asthana, M.M. Dwivedi and K. Pandey (2017) Development of PVB-Nano Cellulose based Polymer Electrolyte and correlation of Optical Behavior with Ionic Conductivity. Advances in chemical sciences 6, 1-12. doi: 10.14355/sepacs.2017.06.001
31. G. Kister G. Cassanas M. Bergounhen D. Hograu. M. Vert, (2000) Structural Characterisation and hydrolytic degradation of solid Co-polymers of d,1-lactide co-ε caprolactane by Raman Spectroscopy, Polymer, 41,925-932. doi:10.1016/S0032-3861(99)00223-2
32. M.C.C. Ribeiro, (2010) Polarization effect in molecular dynamics simulations of glass-formers Ca (NO3)2.nH2O, n=4,6 and 8. J. Chem Phys. 132, 134512-134522, doi:10.1063/1.3386678
33. T.Fujsawa, K. Nishikawa and H. Shirota, (2009) Comparison of interionic /intermolecular vibrational dynamics between ionic liquids and concentrated electrolyte solution.J. Chem Phys. 131, 244519./ pp 1-14 doi: 10.1063/1.3280028
34. K.Pandey, M.M. Dwivedi, N.Asthana (2014) Effect of Synthesis Process on Ionic Conduction and Mobility of Flyash Based Polymer Composite Electrolyte, , 3(4), 329-333, doi.org/10.1166/jap.2014.1151
35. R.C. Agrawal, Angesh Chandra, (2007) Ion transport and electrochemical cell performance studies on hot –press-synthesized Ag+ ion conducting electroactive polymeric membranes : (1-x)PEO:{0.7(0.75AgI:0.25AgCl):0.3MI]. Journal of Physics D, 40(22) 7024-7031. doi:10.1088/0022-3727/ 40/ 22/024
36. J.R. MacCallum, C.A.Vincent. (1987). Polymer Electrolyte Reviews. Elsevier, London 1.