IME I PREZIME	TEMA	POČETNA LITERATURA I KLJUČNE RIJEČI
Manuela Panić	Predtretmani lignoceluloznih materijala: Amonijačna ekspanzija vlakana (AFEX) I ekspandiranje parom (steam explosion)	Lynd LR (1996). Overview and evaluation ….. Annu Rev Energy Environ 21:403–465. Mosier N, Wyman C, Dale BE, Elander R, Lee YY, Holtzapple M, Ladisch M (2005) Features of promising technologies for pretreatment of lignocellulosic biomass. Bioresour Technol 96:673-686 AFEX, steam explosion
Ines Zvonar	Predtretmani lignoceluloznih materijala: Organosolv I Acetosolv postupci	AL Macfarlane, MM Farid, JJJ Chen, Lambert : Organosolv delignification of willow (2010), Academic Press, ISBN 978-3-8383-9155-7 US Patent 3,585,104. http://www.google.com/patents?id=thxvAAAAEBAJ&printsec=abstract&zoom=4&source=gbs_overview_r&cad=0#v=onepage&q&f=false Alcaide, LJ, Dominguez, JCG, Ot, IP, Influence of cooking variables in the organosolv pulping of wheat straw using mixtures of ethanol, acetone, and water. TAPPI, (2003). 2(1): p. 27-31. Pan, XJ, Xie, D, Yu, RW, Lam, D, Saddler, JN, Pretreatment of lodgepole pine killed by mountain pine beetle using the ethanol organosolv process: Fractionation and process optimization. Industrial & Engineering Chemistry Research, (2007). 46(8): p. 2609-2617.
Nenad Ambruš	Predtretmani lignoceluloznih materijala: Sulfitni I sulfatni postupak (SPORL I KRAFT postupak)	Wang GS, Pan XJ, Zhu JY, Gleisner R (2009). "Sulfite pretreatment to overcopme recalcitrabce of lignocellulose (SPORL) for robust Enzymatic Saccharification of hardwoods". Biotechnology Progress 25 (4): 1086–1093. doi:10.1002/btpr.206. PMID 19551888. Zhu JY, Pan XJ, Wang GS, Gleisner R (2009). "Sulfite pretreatment (SPORL) for Robust enzymatic saccharification of spruce and red pine". Bioresource Technology 100 (8): 2411–2418. doi:10.1016/j.biortech.2008.10.057. PMID 19119005
Ema Zahirović	Predtretmani lignoceluloznih materijala: Inhibitori fermentacije	Klinke HB, Thomsen AB, Ahring BK (2004). "Inhibition of ethanol-producing yeast and bacteria by degradation products produced during pre-treatment of biomass". Appl Microbiol Biotechnol 66 (1): 10–26. doi:10.1007/s00253-004-1642-2. PMID 15300416.
Ana Mikulin	Metabolički putevi fermentaccije ksiloze kod kvasaca	Effries TW, Jin YS (2004). "Metabolic engineering for improved fermentation of pentoses by yeasts". *Appl Microbiol Biotechnol* **63** (5): 495–509. Doi:10.1007/s00253-003-1450-0. PMID 14595523 Brat D, Boles E and Wiedemann B (2009) Functional expression of a bacterila xylose isomerase in Saccharomyces cerevisie. Appl. Environ. Microbiol. doi:10.1128/AEM.02522-08

		Ohgren K, Bengtsson O, Gorwa-Grauslund MF, Galbe M, Hahn-Hagerdal B, Zacchi G (2006) Simultaneous saccharification and co-fermentation of glucose and xylose in steam-pretreated corn stover at high fiber content with Saccharomyces cerevisiae TMB3400. J Biotechnol. 126(4):488–98. Sakamoto, T.; Hasunuma, T.; Hori, Y.; Yamada, R.; Kondo, A. Direct ethanol production from hemicellulosic materials of rice straw by use of an engineered yeast strain codisplaying three types of hemicellulolytic enzymes on the surface of xylose-utilizing Saccharomyces cerevisiae cells. J. Biotechnol. 2012, 158, 203-210 Xylose-Reductase/Xylitol-Dehydrogenase (UNI Lund) Xylose-Isomerase, (UNI Delft, UNI Frankfurt)
Elizabeta Kralj	Metabolički putevi fermentacije arabinoze kod kvasaca	Becker J, Boles E (2003). "A modified Saccharomyces cerevisiae strain that consumes L-Arabinose and produces ethanol". Appl Environ Microbiol 69 (7): 4144–50. doi:10.1128/AEM.69.7.4144-4150.2003. PMC 165137. PMID 12839792. Karhumaa K, Wiedemann B, Hahn-Hagerdal B, Boles E, Gorwa-Grauslund MF (2006) Co-utilization of L-arabinose and D-xylose by laboratory and industrial Saccharomyces cerevisiae strains. Microb Cell Fact. 10;5:18.
Andrea Križanac	Proizvodnja etanola iz otpadnih celuloznih materijala	Kathleen Schalch (2007-11-05). "Georgia plant is first for making ethanol from waste". NPR. Retrieved 2007-11-28 http://www.npr.org/templates/story/story.php?storyId=16019184 Matthew L. Wald (July 6, 2011). "U.S. Backs Project to Produce Fuel From Corn Waste". *The New York Times*. Retrieved July 7, 2011. "The Energy Department plans to provide a $105 million loan guarantee for the expansion of an ethanol factory in Emmetsburg, Iowa, that intends to make motor fuel from corncobs, leaves and husks."
Marta Geršak	Kyoto protokol I ekološki aspekti zelenih goriva	• BIES L (2006) The Biofuels Explosion: Is Green Energy Good for Wildlife? Wildlife Society Bulletin: Vol. 34, No. 4 pp. 1203–1205 • Crutzen, PJ, Mosier AR, Smith KA, Winiwarter W. "Nitrous oxide release from agro-biofuel production negates global warming reduction by replacing fossil fuels", *Atmospheric Chemistry and Physics*, 8(2): 389–395 (2008). United Nations Framework Convention on Climate Change (UNFCCC), Doha Amendment, Durban agreement
Sivia Ujčić	*Zymomonas mobilis* i proizvodnja biogoriva	Genetičko inženjerstvo, • Joachimsthal, E L; Rogers, PL (2000). "Characterization of a high-productivity recombinant strain of Zymomonas mobilis for ethanol production from glucose/xylose mixtures.". *Applied biochemistry and biotechnology*. 84-86: 343–56. doi:10.1385/abab:84-86:1-9:343. PMID 10849801. • Agrawal, Manoj; Mao, Z; Chen, RR (2011). "Adaptation yields a highly efficient xylose-fermenting Zymomonas mobilis strain.". *Biotechnology and Bioengineering* 108 (4): 777–85. doi:10.1002/bit.23021. PMID 21404252.

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Barbara Umek	Komercijalni enzimi za razgradnju lignoceluloznog kompleksa	Genencor , Novozymes, Dyadic International
Laura Jurić	*Escherichia coli* I proizvodnja biogoriva	Sheril Norliana Suhaimi,[1] Lai-Yee Phang,[1,*] Toshinari Maeda,[2] Suraini Abd-Aziz,[1] Minato Wakisaka,[2] Yoshihito Shirai,[2] and Mohd Ali Hassan[1] Bioconversion of glycerol for bioethanol production using isolated *Escherichia coli* ss1 Braz J Microbiol. 2012 Apr-Jun; 43(2): 506–516. Published online Jun 1, 2012. doi: 10.1590/S1517-83822012000200011 PMCID: PMC3768825 Rebecca Morelle: E. coli bacteria 'can produce diesel biofuel' E. coli KO11 LaxmiPrasad Thapa, Sang Jun Lee, Hah Young Yoo, Han Suk Choi, Chulhwan Park, Seung Wook Kim: Development of glycerol-utilizing Escherichia coli strain for the production of bioethanol EnzymeandMicrobialTechnology53 (2013) 206–215
Tanja Lešić	*Clostridium thermocellum* I proizvodnja biogoriva	University of Rochester Press Release: Genome Sequencing Reveals Key to Viable Ethanol Production
Gabrijela Škoro	Isplinjavanje lignoceluloznih materijala	steam reforming, the gasification of coal, biomass, waste-to-energy gasification, Fischer–Tropsch process , Mobil methanol to gasoline
Lucija Mušak	Mikrobna proizvodnja biogoriva iz ugljičnog monoksida (synthese gas)	"Formation of Ethanol from Carbon Monoxide via New Microbial Catalyst", *Biomass & Energy* v. 23 (2002), p. 487–493.
Alen Kostić	Dobivanje PHB iz glicerola	PHB, PHA, glycerol, Cupriavidus, Pseudomonas, Ralstonia
Martina Šafranko	Nove metode izolacije etanola	Pervaporacija, perstrakcija

Ivan Jukić	Proizvodnja org. otapala (butanola, acetona)	Clostridium, aceton, etanol, butanol
Uglješa Stegnjaić	Biotehnološki potencijal kukuruzovine	"Providing for a Sustainable Energy Future by producing clean RENEWABLE liquid energy and green power". Bioengineering Resources Inc. Retrieved 2007-11-28. The numbers behind ethanol, cellulosic ethanol, and biodiesel in the U.S. | Grist Somma D, Lobkowicz H, Deason JP (2010). "Growing America's fuel: an analysis of corn and cellulosic ethanol feasibility in the United States". *Clean Techn Environ Policy* **12**: 373–380. doi:10.1007/s10098-009-0234-3. • "Determining the Cost of Producing Ethanol from Corn Starch and Lignocellulosic Feedstocks" (PDF). U.S. Department of Agriculture and U.S. Department of Energy. October 2000. • "Biomass Resource Estimates".