

Mustafa Germeş

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Ethanol production via repeated-batch fermentation from carob pod extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. <i>Fuel</i> , 2015, 161, 304-311.	3.4	55
2	Controlling filamentous fungi morphology with microparticles to enhanced $\hat{\Gamma}^2$ -mannanase production. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1391-1399.	1.7	53
3	Ethanol production from acid-pretreated and detoxified tea processing waste and its modeling. <i>Fuel</i> , 2018, 231, 101-109.	3.4	42
4	Bioconversion of wheat bran into high value-added products and modelling of fermentations. <i>Industrial Crops and Products</i> , 2019, 139, 111565.	2.5	42
5	Medium optimization and kinetic modeling for the production of <i>Aspergillus niger</i> inulinase. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 217-232.	1.7	41
6	Effect of different fermentation strategies on $\hat{\Gamma}^2$ -mannanase production in fed-batch bioreactor system. <i>3 Biotech</i> , 2017, 7, 77.	1.1	36
7	Biofilm reactors for value-added products production: An in-depth review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101662.	1.5	36
8	Evaluation of carbon sources for the production of inulinase by <i>Aspergillus niger</i> A42 and its characterization. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1993-2005.	1.7	35
9	Inulinase production and mathematical modeling from carob extract by using <i>Aspergillus niger</i> . <i>Biotechnology Progress</i> , 2020, 36, e2919.	1.3	32
10	Microparticle-enhanced polygalacturonase production by wild type <i>Aspergillus sojae</i> . <i>3 Biotech</i> , 2017, 7, 361.	1.1	29
11	Ethanol production from rice hull using <i>Pichia stipitis</i> and optimization of acid pretreatment and detoxification processes. <i>Biotechnology Progress</i> , 2016, 32, 872-882.	1.3	28
12	Ultrasound-assisted dilute acid hydrolysis of tea processing waste for production of fermentable sugar. <i>Biotechnology Progress</i> , 2016, 32, 393-403.	1.3	28
13	Ethanol production from acid-pretreated and detoxified rice straw as sole renewable resource. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 607-619.	2.9	27
14	Microwave-assisted dilute acid pretreatment of different agricultural bioresources for fermentable sugar production. <i>Cellulose</i> , 2017, 24, 4337-4353.	2.4	26
15	Production and characterization of tempehs from different sources of legume by <i>Rhizopus oligosporus</i> . <i>LWT - Food Science and Technology</i> , 2020, 119, 108880.	2.5	25
16	Kinetic Modeling and Techno-economic Feasibility of Ethanol Production From Carob Extract Based Medium in Biofilm Reactor. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2121.	1.3	24
17	Mathematical modeling of lactic acid fermentation in bioreactor with carob extract. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 254-263.	1.5	23
18	Optimization of dilute acid pretreatment of barley husk and oat husk and determination of their chemical composition. <i>Cellulose</i> , 2018, 25, 6377-6393.	2.4	23

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19	Enhanced Î ² -mannanase production from alternative sources by recombinant <i>Aspergillus sojae</i> . <i>Acta Alimentaria</i> , 2016, 45, 371-379.	0.3	22
20	Î ² -Mannanase production and kinetic modeling from carob extract by using recombinant <i>Aspergillus sojae</i> . <i>Biotechnology Progress</i> , 2019, 35, e2885.	1.3	21
21	Application of mathematical models to ethanol fermentation in biofilm reactor with carob extract. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 237-252.	2.9	20
22	Effect of media sterilization and enrichment on ethanol production from carob extract in a biofilm reactor. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 3268-3272.	1.2	19
23	Enhancing Î ² -mannanase production by controlling fungal morphology in the bioreactor with microparticle addition. <i>Food and Bioproducts Processing</i> , 2020, 121, 123-130.	1.8	19
24	Partial purification and characterization of a recombinant Î ² -mannanase from <i>Aspergillus fumigatus</i> expressed in <i>Aspergillus sojae</i> grown on carob extract. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1189-1205.	2.9	17
25	Enhanced production of <i>Aspergillus niger</i> inulinase from sugar beet molasses and its kinetic modeling. <i>Biotechnology Letters</i> , 2020, 42, 1939-1955.	1.1	16
26	Ethanol production in a biofilm reactor with non-sterile carob extract media and its modeling. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2726-2734.	1.2	15
27	Dilute acid and alkaline pretreatment of spent tea leaves to determine the potential of carbon sources. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 529-544.	2.9	13
28	The inhibition effect of phenol on the production of <i>Aspergillus niger</i> inulinase and its modeling. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14522.	0.9	13
29	Effect of furfural concentration on ethanol production using <i>Saccharomyces cerevisiae</i> in an immobilized cells stirred-tank bioreactor with glucose-based medium and mathematical modeling. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14635.	0.9	13
30	Statistical and kinetic modeling of <i>Aspergillus niger</i> inulinase fermentation from carob extract and its partial concentration. <i>Industrial Crops and Products</i> , 2020, 156, 112866.	2.5	12
31	Ethanol production from different medium compositions of rice husk hydrolysate by using <i>Scheffersomyces stipitis</i> in a repeated-batch biofilm reactor and its modeling. <i>Process Biochemistry</i> , 2021, 100, 26-38.	1.8	12
32	Thermostability of <i>Aspergillus niger</i> inulinase from sugar beet molasses in the submerged fermentation and determination of its kinetic and thermodynamic parameters. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3219-3227.	2.9	10
33	Solid-state fermentation for the production of a recombinant Î ² -mannanase from <i>Aspergillus fumigatus</i> expressed in <i>Aspergillus sojae</i> grown on renewable resources. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14584.	0.9	10
34	Modeling of ethanol fermentation from carob extract-based medium by using <i>Saccharomyces cerevisiae</i> in the immobilized-cell stirred tank bioreactor. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5241-5255.	2.9	9
35	Mathematical modeling of batch bioethanol generation from carob extract in the suspended-cell stirred-tank bioreactor. <i>International Journal of Energy Research</i> , 2020, 44, 9021-9034.	2.2	9
36	Partial purification and characterization of <i>Aspergillus niger</i> inulinase produced from sugar-beet molasses in the shaking incubator and stirred-tank bioreactors. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3789-3799.	3.6	8

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37	Mannooligosaccharide production by α -mannanase enzyme application from coffee extract. Journal of Food Processing and Preservation, 2021, 45, e14668.	0.9	8
38	Scale-up processing with different microparticle agent for α -mannanase production in a large-scale stirred tank bioreactor. Journal of Food Processing and Preservation, 2021, 45, e14915.	0.9	8
39	Predicting the experimental data of the substrate specificity of <i>Aspergillus niger</i> inulinase using mathematical models, estimating kinetic constants in the Michaelis-Menten equation, and sensitivity analysis. Biomass Conversion and Biorefinery, 0, , 1.	2.9	8
40	Kinetic modeling and sensitivity analysis of inulinase production in large-scale stirred tank bioreactor with sugar beet molasses-based medium. Biochemical Engineering Journal, 2021, 176, 108201.	1.8	8
41	Optimization of acidic hydrolysis conditions of rice husk for fermentable sugar production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3103-3108.	1.2	7
42	<i>Scheffersomyces stipitis</i> biofilm reactor for ethanol production from acid-pretreated/detoxified and glucose- or xylose-enriched rice husk hydrolysate under a continuous process. Biomass Conversion and Biorefinery, 2021, 11, 2909-2921.	2.9	7
43	Optimization of manooligosaccharides production from different hydrocolloids via response surface methodology using a recombinant <i>Aspergillus sojae</i> α -mannanase produced in the microparticle-enhanced large-scale stirred tank bioreactor. Journal of Food Processing and Preservation, 2021, 45, e14916.	0.9	7
44	Effect of pH control and aeration on inulinase production from sugarbeet molasses in a bench-scale bioreactor. Biomass Conversion and Biorefinery, 0, , 1.	2.9	7
45	Fermentable sugars production from wheat bran and rye bran: response surface model optimization of dilute sulfuric acid hydrolysis. Environmental Technology (United Kingdom), 2022, 43, 3779-3800.	1.2	7
46	Kinetic modeling, sensitivity analysis, and techno-economic feasibility of ethanol fermentation from non-sterile carob extract-based media in <i>Saccharomyces cerevisiae</i> biofilm reactor under a repeated-batch fermentation process. Fuel, 2022, 324, 124729.	3.4	7
47	Implementation of flexible models to bioethanol production from carob extract-based media in a biofilm reactor. Biomass Conversion and Biorefinery, 2021, 11, 2983-2999.	2.9	5
48	Effect of process parameters and microparticle addition on polygalacturonase activity and fungal morphology of <i>Aspergillus sojae</i> . Biomass Conversion and Biorefinery, 2022, 12, 5329-5344.	2.9	5
49	Chemical characterization of acid-pretreated renewable resources: effect of pretreatment time. Biofuels, 2020, , 1-11.	1.4	4
50	The effects of mannanase activity on viscosity in different gums. Journal of Food Processing and Preservation, 2021, 45, e14820.	0.9	4
51	Application of <i>Aspergillus niger</i> inulinase production in sugar beet molasses-based medium optimized by Central Composite Design to mathematical models. Biomass Conversion and Biorefinery, 0, , 1.	2.9	3
52	Repeated-batch fermentation of <i>Scheffersomyces stipitis</i> in biofilm reactor for ethanol production from the detoxified and glucose- or xylose-enriched rice husk hydrolysate and its kinetic modeling. Fuel, 2022, 326, 125053.	3.4	2
53	Keşifiboyunu Ekstraktında Bulunan D-Pinitolün Çözünürlük ve Zenginleştirme Prosesi ile Konsantrasyonu. Çözümler, 2015, , .	0.1	1
54	Predictive modeling and sensitivity analysis to estimate the experimental data of inulinase fermentation by <i>Aspergillus niger</i> grown on sugar beet molasses-based medium optimized using Plackett-Burman Design. Biotechnology and Applied Biochemistry, 2021, , .	1.4	1

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55	Optimization of ultrasound-assisted dilute acid hydrolysis conditions of tea processing waste. , 2016, , .		0
56	Ethanol production from carob extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. , 2016, , .		0
57	Ethanol production from carob extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. , 2017, , .		0
58	Optimization of ultrasound-assisted dilute acid hydrolysis conditions of tea processing waste. , 2017, , .		0