Mustafa Germe

List of Publications by Year in Descending Order

52 papers	702 citations	18 h-index	23 g-index
59 ext. papers	837 ext. citations	3.3 avg, IF	5.22 L-index

#	Paper	IF	Citations
52	Kinetic modeling, sensitivity analysis, and techno-economic feasibility of ethanol fermentation from non-sterile carob extract-based media in Saccharomyces cerevisiae biofilm reactor under a repeated-batch fermentation process. *Fuel*, **2022**, 324, 124729	7.1	1
51	Predictive modeling and sensitivity analysis to estimate the experimental data of inulinase fermentation by Aspergillus niger grown on sugar beet molasses-based medium optimized using Plackett-Burman Design. *Biotechnology and Applied Biochemistry*, **2021**,	2.8	1
50	Fermentable sugars production from wheat bran and rye bran: response surface model optimization of dilute sulfuric acid hydrolysis. *Environmental Technology (United Kingdom)*, **2021**, 1-22	2.6	3
49	Solid-state fermentation for the production of a recombinant β-mannanase from Aspergillus fumigatus expressed in Aspergillus sojae grown on renewable resources. *Journal of Food Processing and Preservation*, **2021**, 45, e14584	2.1	6
48	Effect of furfural concentration on ethanol production using Saccharomyces cerevisiae in an immobilized cells stirred-tank bioreactor with glucose-based medium and mathematical modeling. *Journal of Food Processing and Preservation*, **2021**, 45, e14635	2.1	7
47	Mannooligosaccharide production by β-mannanase enzyme application from coffee extract. *Journal of Food Processing and Preservation*, **2021**, 45, e14668	2.1	3
46	The effects of mannanase activity on viscosity in different gums. *Journal of Food Processing and Preservation*, **2021**, 45, e14820	2.1	2
45	Scale-up processing with different microparticle agent for β-mannanase production in a large-scale stirred tank bioreactor. *Journal of Food Processing and Preservation*, **2021**, 45, e14915	2.1	4
44	Optimization of mannooligosaccharides production from different hydrocolloids via response surface methodology using a recombinant Aspergillus sojae β-mannanase produced in the microparticle-enhanced large-scale stirred tank bioreactor. *Journal of Food Processing and*	2.1	3
43	Ethanol production from different medium compositions of rice husk hydrolysate by using Scheffersomyces stipitis in a repeated-batch biofilm reactor and its modeling. *Process Biochemistry*, **2021**, 100, 26-38	4.8	9
42	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	4.2	2
41	Enhanced production of Aspergillus niger inulinase from sugar beet molasses and its kinetic modeling. *Biotechnology Letters*, **2020**, 42, 1939-1955	3	16
40	The inhibition effect of phenol on the production of Aspergillus niger inulinase and its modeling. *Journal of Food Processing and Preservation*, **2020**, 45, e14522	2.1	9
39	Chemical characterization of acid-pretreated renewable resources: effect of pretreatment time. *Biofuels*, **2020**, 1-11	2	3
38	Thermostability of Aspergillus niger inulinase from sugar beet molasses in the submerged fermentation and determination of its kinetic and thermodynamic parameters. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	9
37	Biofilm reactors for value-added products production: An in-depth review. *Biocatalysis and Agricultural Biotechnology*, **2020**, 27, 101662	4.2	17
36	Mathematical modeling of batch bioethanol generation from carob extract in the suspended-cell stirred-tank bioreactor. *International Journal of Energy Research*, **2020**, 44, 9021-9034	4.5	9

35	Enhancing β-mannanase production by controlling fungal morphology in the bioreactor with microparticle addition. *Food and Bioproducts Processing*, **2020**, 121, 123-130	4.9	13
34	Scheffersomyces stipitis 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*, **2020**, 1	2.3	6
33	Implementation of flexible models to bioethanol production from carob extract-based media in a biofilm reactor. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	3
32	Inulinase production and mathematical modeling from carob extract by using Aspergillus niger. *Biotechnology Progress*, **2020**, 36, e2919	2.8	23
31	Production and characterization of tempehs from different sources of legume by Rhizopus oligosporus. *LWT - Food Science and Technology*, **2020**, 119, 108880	5.4	9
30	Statistical and kinetic modeling of Aspergillus niger inulinase fermentation from carob extract and its partial concentration. *Industrial Crops and Products*, **2020**, 156, 112866	5.9	9
29	Partial purification and characterization of Aspergillus niger inulinase produced from sugar-beet molasses in the shaking incubator and stirred-tank bioreactors. *International Journal of Biological Macromolecules*, **2020**, 164, 3789-3799	7.9	5
28	Modeling of ethanol fermentation from carob extract-based medium by using Saccharomyces cerevisiae in the immobilized-cell stirred tank bioreactor. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	6
27	Application of mathematical models to ethanol fermentation in biofilm reactor with carob extract. *Biomass Conversion and Biorefinery*, **2020**, 10, 237-252	2.3	16
26	Medium optimization and kinetic modeling for the production of Aspergillus niger inulinase. *Bioprocess and Biosystems Engineering*, **2020**, 43, 217-232	3.7	33
25	Partial purification and characterization of a recombinant β-mannanase from Aspergillus fumigatus expressed in Aspergillus sojae grown on carob extract. *Biomass Conversion and Biorefinery*, **2020**, 10, 1189-1205	2.3	12
24	Kinetic Modeling and Techno-economic Feasibility of Ethanol Production From Carob Extract Based Medium in Biofilm Reactor. *Applied Sciences (Switzerland)*, **2019**, 9, 2121	2.6	18
23	Evaluation of carbon sources for the production of inulinase by Aspergillus niger A42 and its characterization. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1993-2005	3.7	26
22	Bioconversion of wheat bran into high value-added products and modelling of fermentations. *Industrial Crops and Products*, **2019**, 139, 111565	5.9	32
21	β-Mannanase production and kinetic modeling from carob extract by using recombinant Aspergillus sojae. *Biotechnology Progress*, **2019**, 35, e2885	2.8	20
20	Ethanol production from acid-pretreated and detoxified rice straw as sole renewable resource. *Biomass Conversion and Biorefinery*, **2018**, 8, 607-619	2.3	24
19	Dilute acid and alkaline pretreatment of spent tea leaves to determine the potential of carbon sources. *Biomass Conversion and Biorefinery*, **2018**, 8, 529-544	2.3	13
18	Mathematical modeling of lactic acid fermentation in bioreactor with carob extract. *Biocatalysis and Agricultural Biotechnology*, **2018**, 14, 254-263	4.2	20

17	Ethanol production in a biofilm reactor with non-sterile carob extract media and its modeling. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2018**, 40, 2726-2734	1.6	13
16	Optimization of dilute acid pretreatment of barley husk and oat husk and determination of their chemical composition. *Cellulose*, **2018**, 25, 6377-6393	5.5	13
15	Ethanol production from acid-pretreated and detoxified tea processing waste and its modeling. *Fuel*, **2018**, 231, 101-109	7.1	33
14	Effect of different fermentation strategies on β-mannanase production in fed-batch bioreactor system. *3 Biotech*, **2017**, 7, 77	2.8	27
13	Microparticle-enhanced polygalacturonase production by wild type. *3 Biotech*, **2017**, 7, 361	2.8	24
12	Microwave-assisted dilute acid pretreatment of different agricultural bioresources for fermentable sugar production. *Cellulose*, **2017**, 24, 4337-4353	5.5	20
11	Effect of media sterilization and enrichment on ethanol production from carob extract in a biofilm reactor. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2016**, 38, 3268-3272	1.6	18
10	Ultrasound-assisted dilute acid hydrolysis of tea processing waste for production of fermentable sugar. *Biotechnology Progress*, **2016**, 32, 393-403	2.8	21
9	Controlling filamentous fungi morphology with microparticles to enhanced β-mannanase production. *Bioprocess and Biosystems Engineering*, **2016**, 39, 1391-9	3.7	45
8	Enhanced β-mannanase production from alternative sources by recombinantAspergillus sojae. *Acta Alimentaria*, **2016**, 45, 371-379	1	20
7	Ethanol production from rice hull using Pichia stipitis and optimization of acid pretreatment and detoxification processes. *Biotechnology Progress*, **2016**, 32, 872-82	2.8	20
6	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	1.6	4
5	Ethanol production via repeated-batch fermentation from carob pod extract by using Saccharomyces cerevisiae in biofilm reactor. *Fuel*, **2015**, 161, 304-311	7.1	43
4	Effect of process parameters and microparticle addition on polygalacturonase activity and fungal morphology of Aspergillus sojae. *Biomass Conversion and Biorefinery*,1	2.3	0
3	Effect of pH control and aeration on inulinase production from sugarbeet molasses in a bench-scale bioreactor. *Biomass Conversion and Biorefinery*,1	2.3	5
2	Predicting the experimental data of the substrate specificity of Aspergillus niger inulinase using mathematical models, estimating kinetic constants in the Michaelis–Menten equation, and sensitivity analysis. *Biomass Conversion and Biorefinery*,1	2.3	3
1	Application of Aspergillus niger inulinase production in sugar beet molasses-based medium optimized by Central Composite Design to mathematical models. *Biomass Conversion and Biorefinery*,1	2.3	1