



EK-3

ÖZGEÇMİŞ (ÖRNEK FORMAT)

1. **Adı Soyadı** : Mehmet Ayas
2. **Doğum Tarihi** : 11/12/1986
3. **Unvanı** : Doktor
4. **Öğrenim Durumu** : Doktora
5. **Çalıştığı Kurum** :

Derece	Alan	Üniversite	Yıl
Lisans	Makine mühendisliği	Gaziantep Üniversitesi	2013
Y. Lisans	Makine mühendisliği	Czech technical University in Prague	2015
Doktora	Makine mühendisliği	Czech technical University in Prague	2022

5. Akademik Unvanlar

Yardımcı Doçentlik Tarihi : 25/01/2022

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities):

1. A method for determining the rheological properties of viscoplastic fluids using a rectangular die – Ayas, M. - Skočilas, J. - Štípek, J. - Žitný, R., - Jirout, T., Journal of Food Engineering. 2023, (357) ISSN 0260-8774.

2. An Approximate Method for Predicting the Friction Factor of Viscoplastic Shear-Thinning Fluids in Non-Circular Channels of Regular Cross-Sections – Ayas, M. - Skočilas, J. - Štípek, J. - Gutierrez, C.A. - Žitný, R., - Jirout, T., Polymers. 2022, 14(24), ISSN 2073-4360.

3. A method for the determination of shear viscosity of power-law fluids in a rectangular duct and concentric annulus – Ayas, M. - Skočilas, J., - Jirout, T., Asia-Pacific Journal of Chemical Engineering. 2022, 17(1), ISSN 1932-2143.

4. Friction factor of shear-thinning fluids in non-circular ducts-a simplified approach for rapid engineering calculation – Ayas, M. - Skočilas, J., - Jirout, T., CHEMICAL ENGINEERING COMMUNICATIONS. 2021, 208(8), 1209-1217. ISSN 0098-6445.

5. Analysis of Power Input of an In-Line Rotor-Stator Mixer for Viscoplastic Fluids – Ayas, M. - Skočilas, J., - Jirout, T., Processes. 2020, 2020(8), ISSN 2227-9717.

6. A practical method for predicting the friction factor of power-law fluids in a rectangular duct – Ayas, M. - Skočilas, J., - Jirout, T., CHEMICAL ENGINEERING COMMUNICATIONS. 2019, 206(10), 1310-1316. ISSN 0098-6445.



7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler:

1. Krátký L., Jirout T., Dostal M., Ayas M., 2021, The Effect of Moisture on the Particle Size Characteristics of Knife milled Beech Chips, Chemical Engineering Transactions, 88, 739-744 DOI:10.3303/CET2188123

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler:

1. Flow of viscoelastic fluids in diverging-converging channel – Ayas, M. - Skočilas, J., - Jirout, T., In: 26th International Congress of Chemical and Process Engineering, CHISA 2022. Prague: Czech Society of Chemical Engineering, 2022.

2. Model of particles interaction in rotary kiln – Mulencko, M. - Ayas, M., - Skočilas, J., In: 9th World Congress of Particle Technology - The book of Abstracts. Madrid: LA ASOCIACIÓN NACIONAL DE QUÍMICOS E INGENIEROS QUÍMICOS DE ESPAÑA, 2022.

3. Modelling specific energy requirements for knife-milled wheat straw and beech chips at different moistures and mill variables – Krátký, L. - Jirout, T. - Dostál, M., - Ayas, M., In: 9th World Congress of Particle Technology - The book of Abstracts. Madrid: LA ASOCIACIÓN NACIONAL DE QUÍMICOS E INGENIEROS QUÍMICOS DE ESPAÑA, 2022.

4. Effect of rotation direction of helical-ribbon agitator on circulation of high viscous batch – Skočilas, J. - Ayas, M. - Skočilasová, B., - Jirout, T., In: XVII International Scientific Conference: Dynamics of Rigid and Deformable Bodies 2019. New York: AIP Conference Proceedings, 2019. p. 1-5. 2198. vol. 010002. ISBN 978-0-7354-1949-0.

5. Mixing of a viscoplastic fluid in an in-line mixer – Ayas, M. - Skočilas, J., - Jirout, T., In: 8th Int. Conference NOVEL TRENDS IN RHEOLOGY VIII, 2019. American Institute of Physics Inc., 2019. AIP Conference Proceedings. vol. 2107. ISSN 0094-243X. ISBN 978-0-7354-1839-4

6. Agitation of viscoplastic fluid in an in-line mixer – Ayas, M. - Skočilas, J., - Jirout, T., In: 23rd International Congress of Chemical and Process Engineering. Praha: Česká společnost chemického inženýrství, 2018. p. 314-315. ISBN 9781510881198.

7. Agitation of yield stress fluids using a rotor-stator mixer – Ayas, M. - Skočilas, J., - Jirout, T., In: Proceedings of the 16th MIXING. Nice: European Federation of Chemical Engineering, 2018.

8. Determination of shear viscosity by slit rheometer – Ayas, M. - Skočilas, J., - Jirout, T., In: Experimental fluid mechanics 2017. Liberec: TU Liberec, 2017.

9. Axial solid concentration profile in an agitated vessel – Ayas, M. - Jirout, T., In: 22nd International Congress of Chemical and Process Engineering. Praha: Česká společnost chemického inženýrství, 2016

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler



7.7. Diğer yayınlar

8. Projeler

1. Research center for low carbon technologies: Numerical simulation of flow of particulate material and simulation of disintegration of particulate material

9. İdari Görevler

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2022-2023	Güz				
	İlkbahar	CFD for Automotive Engineering		3	30
2022-2023	Güz	Numerical Methods		3	20
	İlkbahar				

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.