



### АЙТЕН АТЕШ

Профессор, Сивас Джумхуриет университеті,  
инженерлік факультет, Химиялық инженерия

Байланыс телефоны: E-mail:

[aytenates1974@gmail.com](mailto:aytenates1974@gmail.com)

Mobile: +905325155224

Author ID in Scopus 8842313200

Researcher ID Web of Science ADS-9758-2022

ORCID ID <https://orcid.org/0000-0002-0806-4549>

Researcher ID in Publons ADS-9758-2022

Индекс Хирша

Scopus is 15

Wos-14

#### Кәсіби қызмет:

- ✓ Кәсіби тәжірибесі-27 жыл.
- ✓ Профессор, Сивас Джумхуриет университеті, инженерлік факультет, Химиялық инженерия, 2014 - жалғастырады
- ✓ Қауымдастырылған профессор, Сивас Джумхуриет университеті, инженерлік факультет, Химиялық инженерия, 2009 - 2014 жж
- ✓ Қауымдастырылған профессор, Бордо университеті I, Cnrs, 2013 - 2013 жж
- ✓ Қауымдастырылған профессор, Массачусетс технологиялық институты, химиялық инженерия, 2011-2012 жж
- ✓ Қауымдастырылған профессор, Карлсруэ технологиялық институты, микропроцесстерді дамыту институты, 2009-2009 жж
- ✓ Қауымдастырылған профессор, Сивас Джумхуриет университеті, инженерлік факультет, Химиялық инженерия, 2006 - 2009
- ✓ Вес ғылыми көмекші, Карлсруэ Университеті, Жоғары химия институты, 2003 - 2009 жж
- ✓ Белфаст Корольдік университетінің Химиялық инженерия кафедрасының доценті, 2008-2008 жж
- ✓ Қауымдастырылған профессор көмекшісі, Белфаст Корольдік университеті, Химиялық инженерия, 2007 - 2007 жж
- ✓ Сивас Кумхуриет университетінің ғылыми қызметкері, инженерлік факультет, Химиялық инженерия, 2004 - 2006 жж
- ✓ Ассистент-зерттеуші, Карлсруэ технологиялық институты, химия өнеркәсібі институты, 2005-2005 жж.
- ✓ Ғылыми көмекшісі, Анкара университеті,

#### Білімі, ғылыми дәрежесі және атағы:

- ✓ 1998 - 2003 Докторантура, Анкара университеті, жаратылыстану және химиялық инженерия институты (Dr), Түркия
- ✓ 1995 - 1998 Аспирантура, Анкара университеті, жаратылыстану ғылымдары институты, Химиялық инженерия (Dr), Түркия
- ✓ 1991-1995 бакалавр, Анкара университеті, инженерлік факультет, Химиялық инженерия кафедрасы, Түркия
- ✓ Д. ғ. д., алкил-хош иісті қоспаларды Гидродеалкилдеу-гидрокрекинг катализаторын жасау, Анкара университеті, ғылыми Институт, 2003 ж
- ✓ Экстрактивті лимон қышқылын ашыту бойынша аспирантура, Анкара университеті, ғылыми институт, 1998 ж

**Ғылыми қызығушылықтары:** Инженерия және технология

**Оқытылатын курстар:** гетерогенді катализ, Физикалық химия, технологиялық процестерді оңтайландыру, химиялық реакциялар.

#### Жарияланымдар:

1. Ateş, A. Investigation of physicochemical and chemical properties of biochar activated with carbonate, nitrate, and borohydride. Biomass Conversion and Biorefinery., 2024; **Scopus (65%)**
2. Ateş, A., Aydemir, B., Öksüz, K.E. Investigation of physicochemical and biological properties of boron-doped biochar. Biomass Conversion and Biorefinery, 2024, 14(20), страницы 26355–26369 **Scopus (65%)**
3. Ateş, A., Brahim, K.B., Oueslati, A., Gargouri, M. Influence of V<sub>2</sub>O<sub>5</sub> loading on the dielectric properties and AC conductivity of TiO<sub>2</sub>. Journal of Materials Science: Materials in Electronics., 2024, 35(32), 2076; **Scopus (-67%)**
4. Ateş, A., Mert, Y., Timko, M.T. Evaluation of characteristics of raw tea waste-derived adsorbents for removal of metals from aqueous medium. Biomass Conversion and Biorefinery. 202313(9), pp. 7811-7826. **Scopus (65%)**
5. ATEŞ, A., OSKAY, K.O. Evaluation of iron containing biochar composites prepared by different

|                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>инженерлік факультет, Химиялық инженерия кафедрасы, 2000-2003 жж</p> <p>✓ Ғылыми көмекші, Сивас Кумхуриет университеті, инженерлік факультет, Химиялық инженерия, 1999-2000 жж</p> <p>✓ Сивас Джумхуриет университеті, инженерлік факультет, Химиялық инженерия, 1998-1999 жж</p> | <p>preparation methods for H<sub>2</sub>O<sub>2</sub> sensing. Journal of the Taiwan Institute of Chemical Engineers., 2023, 152, 105180; <b>Scopus (85%)</b></p> <p>6. <b>Ateş, A.</b> The effect of microwave and ultrasound activation on the characteristics of biochar produced from tea waste in the presence of H<sub>3</sub>PO<sub>4</sub> and KOH. Biomass Conversion and Biorefinery., 2023, 13(10), P. 9075–9094; <b>Scopus (65%)</b></p> <p>7. <b>Ateş, A.</b> The modification of aluminium content of natural zeolites with different composition. Powder Technology. 2019, 344, pp. 199-207. <b>Scopus (88%)</b></p> <p>8. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>9. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>10. <b>Ateş, A., Özkan, İ., Canbaz, G.T.</b> Role of modification of natural zeolite in removal of arsenic from aqueous solutions. Acta Chimica Slovenica. 2018, 65(3), pp. 586-598. <b>Scopus (42%)</b></p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



### АЙТЕН АТЕШ

Профессор, Университет Сивас Джумхуриет,  
инженерный факультет, химическая инженерия  
Контактные телефоны: E-mail:  
[aytenates1974@gmail.com](mailto:aytenates1974@gmail.com)  
Mobile: +905325155224  
Author ID in Scopus 8842313200  
Researcher ID Web of Science ADS-9758-2022  
ORCID ID <https://orcid.org/0000-0002-0806-4549>  
Researcher ID in Publons ADS-9758-2022  
Индекс Хирша  
Scopus is 15  
Wos-14

### Профессиональная деятельность:

Профессиональный опыт – 27 лет.  
✓ Профессор, Университет Сивас Джумхуриет,  
инженерный факультет, химическая инженерия,  
2014 - Продолжает  
✓ Доцент, Университет Сивас Джумхуриет,  
инженерный факультет, химическая инженерия,  
2009 - 2014 гг.  
✓ Доцент, Университет Бордо I, Cnrs, 2013 -  
2013 гг.  
✓ Профессор Массачусетского  
технологического института, химическая  
инженерия, 2011-2012  
✓ Доцент Технологического института  
Карлсруэ, Институт разработки микропроцессов,  
2009-2009  
✓ Доцент, Университет Сивас Джумхуриет,  
инженерный факультет, химическая инженерия,  
2006 - 2009  
✓ Ассистент-исследователь, Университет  
Карлсруэ, Институт Высшей Химии, 2003 - 2009 гг.  
✓ Доцент Кафедры Химической Инженерии  
Королевского Университета Белфаста, 2008 – 2008  
гг.  
✓ Ассистент профессора, Королевский  
университет Белфаста, химическая инженерия,  
2007 - 2007 гг.  
✓ Научный сотрудник, Университет Сивас  
Джумхуриет, инженерный факультет, химическая  
инженерия, 2004 - 2006 гг.  
✓ Ассистент-исследователь, Технологический  
институт Карлсруэ, Институт химической  
промышленности, 2005 - 2005 гг.

### Образование, ученая степень и звание:

✓ 1998 - 2003 Докторантура, Университет  
Анкары, Институт естественных наук и  
химической инженерии (Dr), Турция  
✓ 1995 - 1998 Аспирантура, Университет  
Анкары, Институт естественных наук, химическая  
инженерия (Dr), Турция  
✓ 1991-1995 Бакалавр, Университет Анкары,  
инженерный факультет, кафедра химической  
инженерии, Турция  
✓ Докторская степень, Гидродеалкилирование  
алкилароматических смесей - разработка  
катализатора гидрокрекинга, Университет Анкары,  
Научный Институт, 2003  
✓ Аспирантура по экстрактивной  
лимоннокислой ферментации, Университет  
Анкары, Научный институт, 1998

### Научные интересы: Инженерия и технологии

**Преподаваемые курсы:** Гетерогенный катализ,  
Физическая химия, Оптимизация технологических  
процессов, Химические реакции.

### Публикации:

1. Ateş, A. Investigation of physicochemical and chemical properties of biochar activated with carbonate, nitrate, and borohydride. Biomass Conversion and Biorefinery., 2024; **Scopus (65%)**
2. Ateş, A., Aydemir, B., Öksüz, K.E. Investigation of physicochemical and biological properties of boron-doped biochar. Biomass Conversion and Biorefinery, 2024, 14(20), страницы 26355–26369 **Scopus (65%)**
3. Ateş, A., Brahim, K.B., Oueslati, A., Gargouri, M. Influence of V<sub>2</sub>O<sub>5</sub> loading on the dielectric properties and AC conductivity of TiO<sub>2</sub>. Journal of Materials Science: Materials in Electronics., 2024, 35(32), 2076; **Scopus (-67%)**
4. Ateş, A., Mert, Y., Timko, M.T. Evaluation of characteristics of raw tea waste-derived adsorbents for removal of metals from aqueous medium. Biomass Conversion and Biorefinery. 202313(9), pp. 7811-7826. **Scopus (65%)**
5. ATEŞ, A., OSKAY, K.O. Evaluation of iron containing biochar composites prepared by different

|                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>✓ Ассистент-исследователь, Университет Анкары, инженерный факультет, кафедра химической инженерии, 2000-2003</li> <li>✓ Ассистент-исследователь, Университет Сивас Кумхуриет, инженерный факультет, химическая инженерия, 1999-2000</li> <li>✓ Эксперт, Университет Сивас Кумхуриет, инженерный факультет, химическая инженерия, 1998-1999</li> </ul> | <p>preparation methods for H<sub>2</sub>O<sub>2</sub> sensing. Journal of the Taiwan Institute of Chemical Engineers., 2023, 152, 105180; <b>Scopus (85%)</b></p> <p>6. <b>Ateş, A.</b> The effect of microwave and ultrasound activation on the characteristics of biochar produced from tea waste in the presence of H<sub>3</sub>PO<sub>4</sub> and KOH. Biomass Conversion and Biorefinery., 2023, 13(10), P. 9075–9094; <b>Scopus (65%)</b></p> <p>7. <b>Ateş, A.</b> The modification of aluminium content of natural zeolites with different composition. Powder Technology. 2019, 344, pp. 199-207. <b>Scopus (88%)</b></p> <p>8. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>9. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>10. <b>Ateş, A., Özkan, İ., Canbaz, G.T.</b> Role of modification of natural zeolite in removal of arsenic from aqueous solutions. Acta Chimica Slovenica. 2018, 65(3), pp. 586-598. <b>Scopus (42%)</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



AYTEN ATEŞ

Professor, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering

Contact phone numbers:

E-mail: [aytenates1974@gmail.com](mailto:aytenates1974@gmail.com)

Mobile: +905325155224

Author ID in Scopus 8842313200

Researcher ID Web of Science ADS-9758-2022

ORCID ID <https://orcid.org/0000-0002-0806-4549>

Researcher ID in Publons ADS-9758-2022

The Hirsch Index of

Scopus is 15

Wos-14

#### Professional activity:

Professional experience of 27 years.

✓ Professor, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 2014 - Continues

✓ Associate Professor, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 2009 - 2014

✓ Associate Professor, Université Bordeaux I, Cnrs, 2013 - 2013

✓ Professor, Massachusetts Institute of Technology, Chemical Engineering, 2011 - 2012

✓ Associate Professor, Karlsruher Institut Für Technologie, Institute For Micro Processes Engineering, 2009 - 2009

✓ Assistant Professor, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 2006 - 2009

✓ Research Assistant, University Karlsruhe, Institut Für Chemische Verfahrenstechnik, 2003 – 2009

✓ Assistant Professor, The Queen's University Of Belfast, Chemical Engineering, 2008 – 2008

✓ Assistant Professor, The Queen's University Of Belfast, Chemical Engineering, 2007 - 2007

✓ Research Assistant, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 2004 - 2006

#### Education, Academic Degree and Title:

✓ 1998 - 2003 Doctorate, Ankara University, Institute of Natural Sciences, Chemical Engineering (Dr), Turkey

✓ 1995 - 1998 Postgraduate, Ankara University, Institute of Natural Sciences, Chemical Engineering (Dr), Turkey

✓ 1991-1995 Undergraduate, Ankara University, Faculty of Engineering, Department of Chemical Engineering, Turkey

✓ Doctorate, Hydrodealkylation of alkylaromatic mixtures-hydrocracking catalyst development, Ankara University, Institute Of Science, 2003

✓ Postgraduate, Extractive citric acid fermentation, Ankara University, Institute of Science, 1998

#### Research interests: Engineering and Technology

**Courses taught:** Heterogeneous Catalysis, Physical Chemistry, Process Optimization, Chemical Reaction.

#### Publications:

1. Ateş, A. Investigation of physicochemical and chemical properties of biochar activated with carbonate, nitrate, and borohydride. Biomass Conversion and Biorefinery., 2024; **Scopus (65%)**

2. Ateş, A., Aydemir, B., Öksüz, K.E. Investigation of physicochemical and biological properties of boron-doped biochar. Biomass Conversion and Biorefinery, 2024, 14(20), страницы 26355–26369 **Scopus (65%)**

3. Ateş, A., Brahim, K.B., Oueslati, A., Gargouri, M. Influence of V<sub>2</sub>O<sub>5</sub> loading on the dielectric properties and AC conductivity of TiO<sub>2</sub>. Journal of Materials Science: Materials in Electronics., 2024, 35(32), 2076; **Scopus (-67%)**

4. Ateş, A., Mert, Y., Timko, M.T. Evaluation of characteristics of raw tea waste-derived adsorbents for removal of metals from aqueous medium. Biomass Conversion and Biorefinery. 202313(9), pp. 7811-7826. **Scopus (65%)**

5. ATEŞ, A., OSKAY, K.O. Evaluation of iron containing biochar composites prepared by different

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>✓ Research Assistant, Karlsruher Institut Für Technologie, Institut Für Chemische Verfahrenstechnik, 2005 - 2005</li> <li>✓ Research Assistant, Ankara University, Faculty of Engineering, Department of Chemical Engineering, 2000 - 2003</li> <li>✓ Research Assistant, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 1999-2000</li> <li>✓ Expert, Sivas Cumhuriyet University, Faculty of Engineering, Chemical Engineering, 1998 - 1999</li> </ul> | <p>preparation methods for H<sub>2</sub>O<sub>2</sub> sensing. Journal of the Taiwan Institute of Chemical Engineers., 2023, 152, 105180; <b>Scopus (85%)</b></p> <p>6. <b>Ateş, A.</b> The effect of microwave and ultrasound activation on the characteristics of biochar produced from tea waste in the presence of H<sub>3</sub>PO<sub>4</sub> and KOH. Biomass Conversion and Biorefinery., 2023, 13(10), P. 9075–9094; <b>Scopus (65%)</b></p> <p>7. <b>Ateş, A.</b> The modification of aluminium content of natural zeolites with different composition. Powder Technology. 2019, 344, pp. 199-207. <b>Scopus (88%)</b></p> <p>8. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>9. <b>Ateş, A.</b> Effect of alkali-treatment on the characteristics of natural zeolites with different compositions. Journal of Colloid and Interface Science. 2018, 523, pp. 266-281. <b>Scopus (95%)</b></p> <p>10. <b>Ateş, A., Özkan, İ., Canbaz, G.T.</b> Role of modification of natural zeolite in removal of arsenic from aqueous solutions. Acta Chimica Slovenica. 2018, 65(3), pp. 586-598. <b>Scopus (42%)</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|