

Curriculum Vitae
AYSEN GUMUSTAS

Date and Place of Birth: 08-01-1986 / Afyonkarahisar

Marital Status: Married

Institution: Ankara University Faculty of Pharmacy, Department of Analytical Chemistry &
Department of Pharmaceutical Microbiology, 06100 Tandogan, Ankara, Turkey

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EDUCATION

- 2015- **Ph.D Degree (Continue)**
Ankara University, Faculty of Pharmacy, Department of Pharmaceutical Microbiology,
Ankara
- 2014- **Master Degree (Continue)**
Ankara University, Faculty of Pharmacy, Department of Analytical Chemistry,
Ankara
- 2012-2015 **Master Degree**
Ankara University, Faculty of Pharmacy, Department of Pharmaceutical Microbiology,
Ankara
Thesis Title: Isolation of Lactic Acid Bacteria and Bacteriophages from Different Sources
and Their Characterization
Advisors: Prof. Dr. Ahmet Akin & Prof. Dr. Nina Chanishvili
- 2004-2008 **Bachelor Degree**
Suleyman Demirel University, Faculty of Engineering, Department of Food Engineering,
Isparta

RESEARCH EXPERIENCES

- 24.02.2014 - 31.08.2014 *Mevlana Exchange Programme*
Prof. Dr. Nina Chanishvili, George Eliava Institute of Bacteriophages,
Microbiology, and Virology, R&D Department, Tbilisi, Georgia
- 2015- Prof Dr. Ugur Tamer, Gazi University, Faculty of Pharmacy, Department
of Analytical Chemistry, Ankara, Turkey
Paper&chip based sensors, Raman Spectroscopy

POSTER PRESENTATIONS

1. Merve Eylul Bozkurt, Aysen Gumustas, Mehmet Gumustas, Ahmet Akin, Sibel A. Ozkan, Microbiological and HPLC method for the determination of gemifloxacin in pharmaceutical preparations and biological samples, ITP 2013, 6-9 October 2013, Tenerife, Spain, PS1-26, 148.
2. Aysen Gumustas, Merve Eylul Bozkurt, Mehmet Gumustas, Ahmet Akın, Sibel A. Ozkan, Comparative study for the determination of gemifloxacin by HPLC and microbiological methods from pharmaceutical preparations and biological samples. 2nd International Conference on Analytical Chemistry RO-ICAC 2014, September 17-21, 2014, Targoviste, Romania. S4-P02.
3. Aysen Gumustas, Mehmet Gumustas, B. Bugra Barut, Sibel A. Ozkan and Bengi Uslu, the effect of core-shell particles on chromatographic determination and optimization of dutasteride and tamsulosin, 43rd Symposium of HPLC and related techniques (HPLC 2015), September 21-25, Beijing, China, 2015, pp. 165, P12.
4. Barut, B. B., Gumustas, A., Gumustas, M., Ozkan, S.A., Uslu, B., Dutasterit ve Tamsulosin'in Eş Zamanlı Kromatografik Analizi, 8. Ulusal Analitik Kimya Kongresi 30 May-3 June 2016, Isparta, Turkey.
5. Aysen Gumustas, Elçin Ezgi Ahi, Mehmet Gokhan Caglayan, Bengi Uslu, Demet Çetin, Zekiye Suludere, Uğur Tamer, CTAB-Free Generation of SERS Active Gold Nanoparticle and Lateral Flow Immunoassay Application, 10th Aegean Analytical Chemistry Days, 29 September – 2 October, 2016, Çanakkale, Turkey, P3-48,325.
6. Elçin Ezgi Ahi, Aysen Gumustas, Hakan Çiftçi, M. Gokhan Caglayan, Yeşim Somay Selbes, Ferah Çoğun, Ender Yıldırım, Uğur Tamer, Chip-Based Immunomagnetic Separation of Human Chorionic Gonadotropin, 10th Aegean Analytical Chemistry Days, 29 September – 2 October, 2016, Çanakkale, Turkey, P3-75, 361.
7. Aysen Gumustas, Bozkurt Akif, Demet Cetin, Esra Acar, Ismail H. Boyaci, Merve Eryilmaz, Zekiye Suludere, Paper Membrane Based SERS Platform for Rapid Bacteria Enumeration, Pittcon Conference and Expo, 2016, 1410-19, 1004.

PROJECTS

Project Name	Development of Lateral Flow Immunoassay Platform for Rapid Bacteria Detection (Bursary) Funding Organization: TUBITAK Project Number: 114Z783 Dates: 01 May 2015-01 May 2017
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BOOK CHAPTERS

Gumustas M., Sengel-Turk C. T., Gumustas A., Ozkan S. A., Uslu B. 2017. 5 - Effect of Polymer-Based Nanoparticles on the Assay of Antimicrobial Drug Delivery Systems - Grumezescu, A. M. (Ed.). Multifunctional Systems for Combined Delivery, Biosensing and Diagnostics. Elsevier, Netherlands.

PUBLICATIONS

1. Eryilmaz, M., Kaskatepe, B., Kiyimaci, M. E., Erol, H. B., Simsek, D., & Gümüstas, A. (2016). In vitro antimicrobial activity of three new generation disinfectants. *Tropical Journal of Pharmaceutical Research*, 15(10). <https://doi.org/10.4314/tjpr.v15i10.18>
2. Kiyimaci, M. E., Gumustas, A., Gumustas, M., Akin, A., & Ozkan, S. A. (2015). Comparative study for the determination of gemifloxacin by HPLC and microbiological methods from pharmaceutical preparations and biological samples. *Current Pharmaceutical Analysis*, 11(3).