

## Res. Asst. GİZEM TIRIS

### Personal Information

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### Education Information

Doctorate, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya , Turkey 2016 - Continues

Under Graduate, Ankara Üniversitesi, Eczacılık Fakültesi, Eczacılık, Turkey 2010 - 2015

### Foreign Languages

English, B1 Intermediate

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Analytical Chemistry

### Academic Titles / Tasks

Research Assistant, Bezmialem Vakıf University, Eczacılık Fakültesi, Eczacılık, 2017 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Trade-off efficacy and data processing strategy in the power of spectral resolution of co-formulated antihypertensive pharmaceuticals**  
Rostom Y., Lotfy H. M. , Ozturk M., Tiris G., ERK N., Saleh S. S.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.247, 2021 (Journal Indexed in SCI)
- II. **Analytical tools for greenness assessment of chromatographic approaches: Application to pharmaceutical combinations of Indapamide, Perindopril and Amlodipine**  
Saleh S. S. , Lotfy H. M. , Tiris G., Erk N., Rostom Y.  
MICROCHEMICAL JOURNAL, vol.159, 2020 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Novel approaches for determination of antiretroviral reverse transcriptase inhibitor agent in commercial dosage forms by using spectrofluorimetric, first derivative spectrophotometric, and HPLC methods**  
Tiris G., Ciloglu E., ERK N.

FUTURE JOURNAL OF PHARMACEUTICAL SCIENCES, vol.6, no.1, 2020 (Journal Indexed in ESCI)

- II. **Determination of dihydrocapsaicin adulteration in dietary supplements using LC-MS/MS**  
DİNCEL D., Olgan H., Canbaloglu Z., Yalcin S., Erkucuk A., TIRIS G., GÖREN A. C.  
JOURNAL OF CHEMICAL METROLOGY, vol.14, no.1, pp.77-82, 2020 (Journal Indexed in ESCI)
- III. **High performance liquid chromatographic analysis of lercanidipine in human breast milk**  
Tekkeli E. K. , GAZİOĞLU I., TIRIS G., Onal C.  
JOURNAL OF CHEMICAL METROLOGY, vol.13, no.1, pp.1-6, 2019 (Journal Indexed in ESCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Smart Spectrophotometric Determination of Tenofovir Disoproxil and Emtricitabine in Medical Dosage Formulations By Using Unified Regression Equation**  
Lotfy H. M. , Erk N., Tiris G.  
5th International Turkic World Conference on Chemical Sciences and Technologies, Sakarya, Turkey, 25 - 29 October 2019, pp.27
- II. **High Performance Liquid Chromatographic Method For The Determination Of Amlodipine And Perindopril**  
Lotfy H. M. , Tiris G., Erk N.  
5th International Turkic World Conference on Chemical Sciences and Technologies, Sakarya, Turkey, 25 - 29 October 2019, pp.26
- III. **An Easy and Green Spectrophotometric Method for the Determination of Some Antihypertensive Drugs in Their Pure and Pharmaceutical Formulations**  
Lotfy H. M. , TIRIS G., ERK N., ÖZTÜRK M.  
5th International Turkic World Conference on Chemical Sciences and Technologies, 25 - 29 October 2019
- IV. **Advanced Spectrophotometric Methods for the Determination of Carvedilol and Hydrochlorothiazide Drugs in Their Bulk and Medical Formulations**  
Lotfy H. M. , ERK N., TIRIS G., ÖZTÜRK M.  
5th International Turkic World Conference on Chemical Sciences and Technologies, 25 - 29 October 2019
- V. **A Green and New Spectrophotometric Methods for Analysis of Olmesartan Cilxetil and Amlodipine Besylate in Medical Dosage Formulations**  
Lotfy H. M. , TIRIS G., ERK N.  
5th International Turkic World Conference on Chemical Sciences and Technologies, 25 - 29 October 2019
- VI. **Quantitative Analysis of Some Beta Blocker Drugs in Co-formulated Drug by Using Factorized Zero Order and Factorized Difference Amplitude Methods**  
Lotfy H. M. , ERK N., TIRIS G., ÖZTÜRK M.  
5th International Turkic World Conference on Chemical Sciences and Technologies, 25 - 29 October 2019
- VII. **Development and Application of Advanced Absorbance Subtraction Spectrophotometric Method for the Quantification of the Antiretroviral Compounds in Medical Dosage forms**  
Lotfy H. M. , TIRIS G., ERK N.  
1 st International Conference on Preventive Medicine (1st ICPM), 12 - 14 November 2019
- VIII. **Quantitative Analysis of Telmisartan and Amlodipine in Bulk Drug and Commercial Dosage Forms by Using Absorbance Subtraction and Amplitude Correction Spectrophotometric Techniques**  
LOTFY H. M. , ERK N., TIRIS G.  
4th International Turkic World Conference on Chemical Sciences and Technologies, 7 - 10 September 2018
- IX. **Sensitive and Reliable Spectrophotometric Techniques for the Estimation of Telmisartan and Hydrochlorothiazide in Combined Dosage Forms**  
LOTFY H. M. , ERK N., TIRIS G.  
4th International Turkic World Conference on Chemical Sciences and Technologies, 7 - 10 September 2018
- X. **RAPID DETERMINATION OF ANTIHYPERTENSIVE AGENTS USING RATIO DIFFERENCE AND RATIO DERIVATIVE SPECTROPHOTOMETRIC TECHNIQUE**

- TIRIS G., ERK N.  
4th International Turkic World Conference, Kyiv, Ukraine, 07 September 2018, pp.79
- XI. **New Applications Of Spectrophotometric Techniques For The Simultaneous Determination Of Zofenopril Calcium And Hydrochlorothiazide In Pharmaceutical Formulations,**  
LOTFY H. M. , ERK N., TIRIS G.  
12th International Symposium On Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XII. **Quantitative Analysis Of Amlodipine And Atorvastatin By Using Constant Center Spectrophotometric Technique**  
Lotfy H., ERK N., TIRIS G., ŞAHİN E.  
12th International Symposium On Pharmaceutical Sciences, Ankara, Turkey, 26 June 2018, pp.243-244
- XIII. **RATIO DERIVATIVE AND DIFFERENCE SPECTROPHOTOMETRIC TECHNIQUES FOR SIMULTANEOUS DETERMINATION OF CARVEDILOL AND HYDROCHLOROTHIAZIDE IN MARKETED TABLETS**  
ERK N., TIRIS G.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 June 2018, pp.89
- XIV. **Optimization of a new controlled release oral dexketoprofen formulation**  
Sevim B. B. , Çerçi B. H. , Küçük Z., BAHADORİ F., Kazdal F., Eskandari Z., Tırıs G., DEMIRAY M.  
24th World Nano Conference, Roma, Italy, 07 May 2018, pp.1
- XV. **Comparative Study of New Spectrophotometric Techniques for the Simultaneous Determination of Ezetimibe and Rosuvastatin in binary mixtures**  
TIRIS G., ERK N.  
International Congress on Chemistry And Materials Science, 5 - 07 October 2017
- XVI. **Sensitive and Rapid Determination of Protease Inhibitors in Pure Drugs and Their Mixtures using High Performance Liquid Chromatography**  
TIRIS G., ERK N.  
International Congress on Chemistry And Materials Science, 5 - 07 October 2017
- XVII. **Different Spectrophotometric Methods for Simultaneous Determination of Certain Antihyperlipidemic Drugs in Their Bulk and mixtures**  
ERK N., TIRIS G.  
ANCON-2017 / INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, Ankara, Turkey, 05 October 2017, pp.188
- XVIII. **Highly Sensitive Determination of Certain Antihypertensive Drugs in Their Pure and Combined Forms**  
ERK N., TIRIS G., ATEŞ A. K.  
International Congress on Chemistry And Materials Science, 5 - 07 October 2017
- XIX. **Determination of Bisoprolol Fumarate and Hydrochlorothiazide in Combined Tablet Dosage Form By Novel Spectrophotometric Techniques**  
ERK N., TIRIS G.  
3rd International Turkic World Conference On Chemical Science And Technologies, Baku, Azerbaijan, 10 September 2017, pp.149
- XX. **Development of High Performance Liquid Chromatographic Method with Stability Indicator for Flurbiprofen Quantification**  
ERK N., TIRIS G., ÇITLAK P.  
3rd International Turkic World Conference on Chemical Sciences Technologies ITWCCST – 2017, 10 - 13 September 2017

## Supported Projects

Tırıs G., Dalkılıç E., Özduman Z. C. , Dönmez N., Tekkeli Ş. E. , Project Supported by Higher Education Institutions, Bulk Fill Kompozitlerin Farklı Polimerizasyon Sürelerinde ve Farklı Solüsyonlar İçindeki Artık Monomer Salınımının Değerlendirilmesi, 2018 - 2019

## **Edit Congress and Symposium Activities**

4th International Turkic World Conference, Attendee, Kyiv, Ukraine, 2018

12th International Symposium On Pharmaceutical Sciences, Attendee, Ankara, Turkey, 2018

International Congress On Chemistry And Materials Science, Attendee, Ankara, Turkey, 2017

3RD International Turkic World Conference On Chemical Sciences And Technologies, Attendee, Baku, Azerbaijan, 2017