

VOLUME | ISSUE | YEAR
42 | 6 | 2018
ISSN 1300-008X • E-ISSN 1303-6106

TURKISH JOURNAL OF
BOTANY

<http://journals.tubitak.gov.tr/botany/>



Published by the Scientific and
Technological Research Council of Turkey

TÜBİTAK

SCOPE OF JOURNAL

- The Turkish Journal of Earth Sciences is published electronically 6 times a year by the Scientific and Technological Research Council of Turkey (TÜBİTAK).
- It is an international English-language journal for the publication of significant original recent research in a wide spectrum of topics in the earth sciences, such as geology, structural geology, tectonics, sedimentology, geochemistry, geochronology, palaeontology, igneous and metamorphic petrology, mineralogy, biostratigraphy, geophysics, geomorphology, palaeoecology and oceanography, and mineral-deposits.
- The journal publishes the highest quality papers and comprehensive review papers on hot topics of current interest, with high quality illustrations.
- Submitted papers should have regional implications and attract international interest as the journal aims to provide a medium for interdisciplinary papers that would be of interest to many different specialists.
- Specialized papers can be submitted if they illustrate significant progress in that specific area of the earth sciences. In addition to original and review articles, we are also interested in publishing discussions of papers that have already appeared in recent issues of the journal.
- The journal also publishes thematic sets of papers on topical aspects of geology or special issues of selected papers from conferences.
- Short articles (6 printed pages maximum) for rapid publication reporting a significant advance in the earth sciences with regional impact are welcome. Contribution is open to researchers of all nationalities.

ABSTRACTED AND INDEXED

- Thomson Reuters (SCI-E)
 - EBSCOhost
 - Elsevier BV
 - MinAbs Online
 - Ovid
 - ProQuest
-

CONTENTS

| | |
|--|-----|
| Gamma irradiation enhancement of biofilm production in <i>Bacillus amyloliquifaciens</i> and effect of mutants' inoculation on <i>APX1</i> expression in salt-stressed Egyptian barley | 673 |
| Reda GAAFAR, Wedad KASIM, Rania ABOU-ALI, Mohamed OMAR, Heba HEWAIT | |
| Analysis of airborne pollen of Gümüşhane Province in northeastern Turkey and its relationship with meteorological parameters | 687 |
| Yavuz TÜRKMEN, Talip ÇETER, Nur Münevver PINAR | |
| Site conditions and functional traits affect regeneration dynamics of European hornbeam (<i>Carpinus betulus</i> L.) in forest canopy gaps | 701 |
| Éva SALAMON-ALBERT, Ágnes CSISZÁR, Dénes BARTHA | |
| Seed morphology of the genus <i>Astragalus</i> L. from North Asia | 710 |
| Tatyana SHEMETOVA, Andrey ERST, Wei WANG, Kunli XIANG, Cem VURAL, Zeki AYTAÇ | |
| Seed structure of some taxa of the genus <i>Crocus</i> L. (Iridaceae) series <i>Crocus</i> | 722 |
| Mehmet Cengiz KARAİSMAİLOĞLU, Levent ŞIK, Almıla ÇİFTÇİ, Osman EROL | |
| Phenetic assessment among <i>Heliotropium</i> L. s.l. species | 732 |
| Azza EL-HADIDY, Asmaa OLWEY, Salah EL NAGGAR | |
| New <i>Taraxacum</i> species (Asteraceae) for Poland | 756 |
| Bohumil TRÁVNÍČEK, Paweł MARCINIUK, Jolanta MARCINIUK, Vojtěch ŽILA, Krzysztof OKLEJEWICZ, Mateusz WOLANIN, Jaroslav ZÁMEČNÍK | |
| Notes on the genus <i>Fronitaria</i> (Orchidaceae) with description of new species | 773 |
| Dariusz L. SZLACHETKO, Marta KOLANOWSKA, Max RYKACZEWSKI | |
| <i>Nocca ali-atahanii</i> (Brassicaceae): a new species from southern Anatolia | 780 |
| Yelda GÜZEL, Barış ÖZÜDOĞRU, Samim KAYIKÇI, Kurtuluş ÖZGİŞİ | |
| <i>Boletus himalayensis</i> (Basidiomycota; Boletales), a new porcini species from Pakistan | 790 |
| Samina SARWAR, Sana JABEEN, Ishtiaq AHMAD, Bryn M. DENTINGER, Abdul Nasir KHALID | |
| Moscow Digital Herbarium, an online open access contribution to the flora of Turkey, with a special reference to the type specimens | 801 |
| Alexey P. SEREGIN, Dmitry F. LYSKOV, Ksenia V. DUDOVA | |
