

Advances in Biology & Earth Sciences



Vol.8 No.1 2023



CONTENTS

Vol.8, No.1, 2023

R. Khalilov (pp.5-18)

A comprehensive review of advanced nano-biomaterials in regenerative medicine and drug delivery

G. Binate, K. Ganbarov (pp.19-26)

Biological activity of chalcones as carbonyl compound derivatives

M. Lakhdar (pp.27-35)

Calotropis Procera (Ait) R. Br, a valuable medicine plant: A review

S.R. Hajiyeva, E.M. Gadirova, U.N. Rustamova, H.F. Hajiyeva (pp.36-43)

Ecologically important photochemical reactions

K.A. Alieva, R.F. Mamedova (pp.44-51)

Modern methods of laboratory diagnosis α and β thalassemia

A.R. Jalilova, Kh.Kh. Magarramova, I.I. Aliyev, L.M. Suleymanova (pp.52-57)

Resistance of the functional activity of *Dunaliella Salina* IPPAS D-294 cells modified with 2,6 di-*tert*-butyl phenol to the action of acute doses of UV-B radiation under optimal and high salinity conditions

Sh. Alizade, R. Mammadova (pp.58-66)

Assessment of salt stress resistance of cotton varieties based on different parameters

Sh.K. Bayramov, N.Sh. Bayramova, Kh.R. Mammadova, R.I.Khalilov (pp.67-74)

Frequency control analysis for biochemical oscillators

A. Fatiha, B. Larbi, M. Ahmed (pp.75-82)

Antifungal activity of the *Pistacia atlantica* tar against *Fusarium oxysporum* f. *Sp. albedinis*, the cause of the bayoud of the date palm in Southwest Algeria

A.A. Verdiyev, N.M. Shiraliyev (pp.83-102)

Structurally unstable soils of the Ganja-Gazakh foothills and engineering protection measures against deformation processes occurring in these soils

M. Alieva, R. Mammadova (pp.103-106)

Determination of phytomass species diversity in mountain-forest brown and mountain-forest brown soils in recent years

F.Sh. Keyseruxskaya (pp.107-113)

Principles for assessing the assimilation potential of soils in Azerbaijan's bioclimatic soilscape zones in relation to organic pollution

A. Nasirova (pp.114-117)

Cultivation of *Malva sylvestris* L. species in the Ganja-Kazakh economic region in recent years

V.N. Nevsky (pp.118-126)

On nomogenesis, phytospreeding and biological evolution