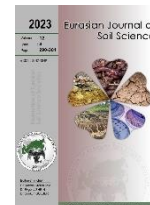




EURASIAN JOURNAL OF SOIL SCIENCE
(Peer Reviewed Open Access Journal)
Published by Federation of Eurasian Soil Science Societies



YEAR: 2023

VOLUME : 12

ISSUE : 4

PAGE : 290 – 391

CONTENTS

- Comprehensive assessment and information database on saline and waterlogged soils in Kazakhstan: Insights from Remote Sensing Technology** 290
Nurgali Bektayev, Kamshat Mansurova, Sagynbay Kaldybayev, Konstantin Pachikin, Kenzhe Erzhanova, Botagoz Absatova
- Prediction of some selected soil properties using the Hungarian Mid-infrared spectral library** 300
Mohammed Ahmed MohammedZein, Adam Csorba, Brian Rotich, Phenson Nsima Justin, Hanaa Tharwat Mohamed, Erika Micheli
- Soil fertility evaluation and land-use effects on soil properties, carbon and nitrogen sequestration in the rainforest of Nigeria** 310
Ugochukwu Nnamdi Onyegbule, Stanley Uchenna Onwudike, Nkechinyere Opara-Nadi, Olive Opara-Nadi
- Assessing the biomass yield and nitrogen fixation of *Lupinus angustifolius* varieties as green manure in Jalisco, Mexico** 320
Juan Francisco Zamora Natera, Isidro Zapata Hernández, Carlos Ernesto Aguilar Jiménez, Franklin B. Martínez Aguilar, José Galdámez Galdámez
- Assessing the efficacy of ameliorants on saline-sodic soils: Laboratory insights for reclamation strategies** 328
Nurzikhan Seitkali, Askhat Naushabayev, Shynar Mazkirat, Tursunay Vassilina
- Biodiversity of symbiotic microbes in association with *Sulla aculeata* spp. from semi-arid regions of Morocco** 335
Anass El Yemlahi, Samia Hamane, Amin Laglaoui, Mohammed Bakkali, Abdelhay Arakrak
- Morphologic and chemical characterizations of some salep orchids** 344
Omer Caliskan, Ayşegül Beşir, Münir Anıl, Coşkun Gülser, Fehmi Yazıcı, Dursun Kurt
- Evaluation of thermal properties of soils amended with microplastics, vermicompost and zeolite using experimental and modeling data** 352
Katerina Doneva, Milena Kercheva, Carles Rubio
- Effects of different fertilization practices on CH₄ and N₂O emissions in various crop cultivation systems: A case study in Kazakhstan** 363
Maira Kussainova, Maxat Toishimanov, Gulnaz Iskakova, Nursultan Nurgali, Jiquan Chen
- Impact of varied NPK fertilizer application rates and seed quantities on barley yield and soil nutrient availability in chestnut soil of Azerbaijan** 371
Rahila İslamzade, Gatiba Hasanova, Sevinj Asadova