

Studia Universitatis "Vasile Goldis"
Seria Stiintele Vietii
(Life Sciences Series)

Volume 28, issue 4 Oct. - Dec. 2018

CONTENTS

- 159 **Inundation area investigation approach using remote sensing technology on 2017 flooding in Sakon Nakhon province Thailand**
Rotjanakusol T., Laosuwan T.
- 167 **Biotechnological perspectives of the red microalga *Porphyridium cruentum***
Vasileva I., Alexandrov S., Ivanova J.
- 174 **Expression patterns of ethylene and polyamine biosynthetic genes during fruit ripening in strawberry**
Mendel. Á., Kovács L., Szentgyögyi A., Fekete S., Posta K., Kiss E.
- 183 **Comparative bioinformatic analysis of Cytochrome C Oxidase Subunit1 genes and proteins across several mammalian species**
Manavipour M., Modarresi M.
- 192 **Yield and contents of some bioactive components of basil (*Ocimum basilicum* L.) depending on time of cutting**
Gavrić T., Jurković J., Hamidović S., Haseljić S., Lalević B., Čorbo A., Bezdrob M.
- 198 **Instructions for authors**

COVER IMAGES

Upper-left image: Network display predicted for COX1. A: Homo sapiens and B: Mus musculus. (vol. 28, iss. 4, fig. 3., p. 187)

Middle far left image: Multiple alignment of MT-CO1 gene in different species. (vol. 28, iss. 4, supplementary fig. 1., p. 187)

Middle first row right image: The 3D structure of MT-CO1 shows twelve transmembrane domains. (vol. 28, iss. 4, supplementary fig. 2., p. 189)

Middle first row left image: Motifs for cytochrome c oxidase proteins. The MEME motifs are shown as different colored boxes. Biochemical properties of the various amino acids indicated: Blue; most hydrophobic, Magenta; acidic, Red; positively charged and Green; polar, non-charged and non-aliphatic residues. (vol. 28, iss. 4, fig. 2., p. 186)

Middle second row right image: The frequency distribution and expression pattern of MT-CO1 based on log 2 in tissues. (vol. 28, iss. 4, fig. 1., p. 185)

Middle second row left image: Land and water classification in a – pre-flooding, b – flooding, and c – post-flooding. (vol. 28, iss. 4, fig. 7., p. 164)

Bottom left image: NDWI a – pre-flooding, b – flooding phase, and c – post-flooding. (vol. 28, iss. 4, fig. 4., p. 162)

Bottom middle image: MNDWI a – pre-flooding, b – flooding phase, and c – post-flooding. (vol. 28, iss. 4, fig. 5., p. 163)

Bottom right image: NDVI a – pre-flooding, b – flooding phase, and c – post-flooding. (vol. 28, iss. 4, fig. 3., p. 162)

Studia Universitatis “Vasile Goldiș”



Seria Științele Vieții

(Life Sciences Series)

Vol. 28, issue 4, Oct. - Dec. 2018

<http://www.studiauniversitatis.ro>