



Available online at [www.CivileJournal.org](http://www.CivileJournal.org)




# Civil Engineering Journal

(E-ISSN: 2476-3055; ISSN: 2676-6957)

Vol. 8, No. 09, September, 2022



## Urban Landscape Fragmentation as an Indicator of Urban Expansion Using Sentinel-2 Imageries

Nada Kadhim <sup>1</sup>, Nabil T. Ismael <sup>2\*</sup>, Nabil M. Kadhim <sup>2</sup>

<sup>1</sup>Department of Civil Engineering, Faculty of Engineering, University of Diyala, Baqubah, Diyala 32001, Iraq.

<sup>2</sup>Department of Architecture, Faculty of Engineering, University of Diyala, Baqubah, Diyala 32001, Iraq.

Received 27 May 2022; Revised 14 August 2022; Accepted 24 August 2022; Published 01 September 2022