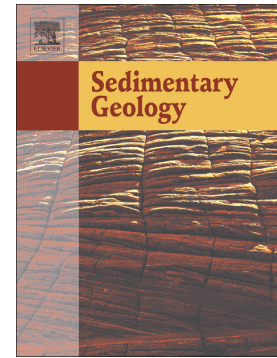


## Accepted Manuscript

Evaporitic sedimentation in the Southeastern Anatolian Foreland Basin: New insights on the Neotethys closure

Çetin Yeşilova, Cahit Helvacı, Emilio Carrillo



PII: S0037-0738(18)30058-7  
DOI: doi:[10.1016/j.sedgeo.2018.03.012](https://doi.org/10.1016/j.sedgeo.2018.03.012)  
Reference: SEDGEO 5328

To appear in:

Received date: 27 January 2018  
Revised date: 14 March 2018  
Accepted date: 15 March 2018

Please cite this article as: Çetin Yeşilova, Cahit Helvacı, Emilio Carrillo , Evaporitic sedimentation in the Southeastern Anatolian Foreland Basin: New insights on the Neotethys closure. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Sedgeo(2018), doi:[10.1016/j.sedgeo.2018.03.012](https://doi.org/10.1016/j.sedgeo.2018.03.012)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**EVAPORITIC SEDIMENTATION IN THE SOUTHEASTERN  
ANATOLIAN FORELAND BASIN: NEW INSIGHTS ON THE NEOTETHYS  
CLOSURE**

Çetin Yeşilova <sup>(a)</sup>, Cahit Helvacı <sup>(b)</sup> and Emilio Carrillo <sup>(c, d, \*)</sup>

<sup>a</sup> Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Yüzüncü Yıl Üniversitesi, Zeve, 65080 Van, Turkey

<sup>b</sup> Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Dokuz Eylül Üniversitesi, Tınaztepe, 35160 Buca-Izmir, Turkey

<sup>c</sup> Departament de Minerologia, Petrologia i Geologia Aplicada, Universitat de Barcelona; C/ Martí i Franqués, s/n; 08028 Barcelona, Spain

<sup>d</sup> Now at School of Geological Sciences and Engineering, Yachay Tech University, Hacienda San José, s/n, San Miguel de Urucuquí, Ecuador

\*Corresponding author

**ABSTRACT**

We integrate stratigraphic, petrographic and geochemical analysis of subsurface data (wells) together with field surveys to study the sedimentation of a marginal Miocene sub-basin of the Southeastern Anatolian Foreland Basin (SEAFB; SE Turkey). This sub-basin, located in the Batman-Siirt region, is characterized by the existence of evaporites (carbonates, sulphates and chlorides) and alluvial detritus which were divided in the following five lithostratigraphic members, from older to younger: Lower and Upper Yapılar; and Lower, Middle and Upper Sulha. These members deposited in an epicontinental mudflat during the Early Miocene. Both the bromine content and the

Download English Version:

<https://daneshyari.com/en/article/8908505>

Download Persian Version:

<https://daneshyari.com/article/8908505>

[Daneshyari.com](https://daneshyari.com)