



چهارمین کنفرانس ماهی‌شناسی ایران، ۳۰-۳۱ تیرماه ۱۳۹۵، دانشگاه فردوسی مشهد

The Forth Iranian Conference of Ichthyology, Ferdowsi University of Mashhad, 20-21 July 2016

## Comparison of growth pattern in *Oxynoemacheilus kermanshahensis* from Deynur river, Kermanshah and *O. euphraticus* from Gamasab river, Hamedan populations -western Iran

Ghojoghi, A.<sup>1</sup>; Patimar, R.<sup>2</sup>; Asgardun, Sh.<sup>3</sup>; Partovi, A<sup>1</sup>

<sup>1</sup>M.Sc. student of aquatic Ecology, University of Gonbad Kavous

<sup>2</sup> Departeman of Fishery, Faculty of natural resource, University of Gonbad kavous

<sup>3</sup>Young Researchers and Elite Club, Boushehr, Islamic Azad University, Boushehr, Iran

\*Email: altin.ghojoghi@gmail.com

Growth patterns of *Oxynoemacheilus kermanshahensis* and *O. euphraticus* were studied in March to June 2011. The total of specimens was 171 *O. kermanshahensis* and 317 *O. euphraticus*. Total length and weight ranged of *O. kermanshahensis* and *O. euphraticus* ranged between 19-78 mm and 0.023-4.96 gr and 27-76 mm and 0.181-3.424 gr respectively. Length-weight relationship for *O.kemanshahensis* was as  $w=0.0068TL^{3.1553}$  ( $r^2=0.96$ ) and for *O. euphraticus* as  $w=0.007TL^{3.088}$  ( $r^2=0.96$ ). The allometry coefficient ranged from 3.067 to 3.244 and for *O. kermanshahensis* and from 3.021 to 3.156 for *O. euphraticus* The growth pattern was positive allometric for both species.

**Keywords:** *O. kermanshahensis*, *O. euphraticus*, LWR, Kermanshah Province, Hamedan Province.

