

**Patterns of variation in dietary composition**  
**among four populations of alpine salamanders (*Salamandra atra***  
***prenjensis*)**

Emina Šunje<sup>1,2,3,\*</sup>, Julien Courant<sup>4</sup>, Adi Vesnić<sup>1</sup>, Toni Koren<sup>5</sup>, Lada Lukić Bilela<sup>1</sup>, Raoul Van  
Damme<sup>3</sup>

1 - Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, 71000 Sarajevo, Bosnia and Herzegovina

2 - Herpetological Association in Bosnia and Herzegovina, ATRA (BH-HU: ATRA), Urijan dedina 137, 71000  
Sarajevo, Bosnia and Herzegovina

3 - Laboratory of Functional Morphology, University of Antwerpen, Universiteitsplein 1, 2610 Wilrijk, Belgium

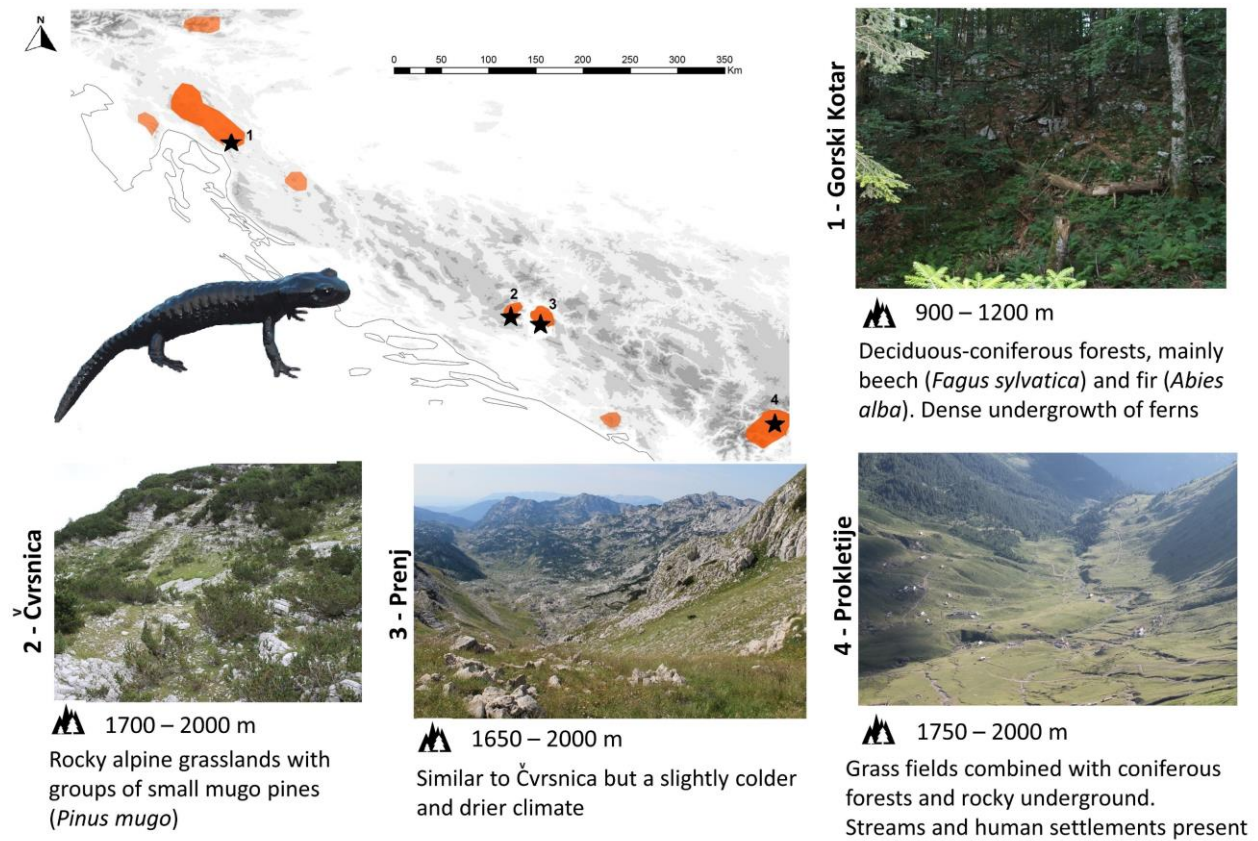
4 - UMR 7179, Département Adaptation du vivant, Centre National de la Recherche Scientifique (CNRS/MNHN),  
rue Buffon, 75005 Paris, France

5 – Hyla Association, Lipovac I, 10000 Zagreb, Croatia

\*Corresponding author; e-mail: [sunje.emina@gmail.com](mailto:sunje.emina@gmail.com)

ORCID iD: Šunje: 0000-0003-3050-8545

**Supplementary material**



**Figure S1.** The Dinaric Arc and distribution of *Salamandra atra prenjenis* (orange polygons).

The stars show the sampling locations (i.e., populations); the habitat of each population is photographed and described.

**Table S1.** Field work details:  $n$  – total number of flushed individuals/pitfall traps. The number of pitfall traps is given for the date when these were positioned in the field (the content of each was collected after 21 days in the field).

| Study site                      | Date of field work | $n$ | $n$ Pitfall traps | Net sampling |
|---------------------------------|--------------------|-----|-------------------|--------------|
| Gorski Kotar<br>$\Sigma N = 78$ | 30.6.2016          | 5   |                   |              |
|                                 | 8.9.2016           | 16  |                   |              |
|                                 | 22.9.2016          | 4   |                   |              |
|                                 | 27.7.2017          | 20  | 6                 | +            |
|                                 | 28. – 29.8.2017    | 26  | 6                 |              |
|                                 | 30.9.2017          | 4   |                   |              |
|                                 | 1.10.2017          | 3   |                   |              |
| Čvrstica<br>$\Sigma N = 72$     | 24.8.2014          | 15  | 3                 |              |
|                                 | 30.8.2014          | 14  |                   |              |
|                                 | 20.7.2015          | 5   |                   |              |
|                                 | 3. - 5. 8.2015     | 15  |                   |              |
|                                 | 23.7.2016          | 14  |                   |              |
|                                 | 25.8.2016          | 9   |                   |              |
|                                 | 10.8.2017          | 0   | 4                 | +            |
| Prenj<br>$\Sigma N = 93$        | 20 - 25. 8.2014    | 61  | 6                 |              |
|                                 | 13. - 14. 7.2015   | 10  |                   |              |
|                                 | 5. – 8. 9.2015     | 14  |                   |              |
|                                 | 7. – 8. 7.2016     | 8   | 3                 | +            |
| Prokletije<br>$\Sigma N = 21$   | 11. – 12. 7.2016   | 21  | 3                 |              |
|                                 | 15.8.2016          | 0   |                   | +            |