== ERRATA ===

## Erratum to: Electronic Structure and Optical Properties of the Mn<sub>2</sub>CrAl Heusler Alloy

E. I. Shreder<sup>a, \*</sup>, A. V. Lukoyanov<sup>a, b</sup>, A. A. Makhnev<sup>a</sup>, S. Dash<sup>c</sup>, A. K. Patra<sup>c</sup>, and M. Vasundhara<sup>d</sup>

<sup>a</sup> Mikheev Institute of Metal Physics, Ural Branch, Russian Academy of Sciences, Ekaterinburg, 620108 Russia <sup>b</sup> Ural Federal University Named after the First President of Russia B.N. Yeltsin, Institute of Natural Sciences and Mathematics, Ekaterinburg, 620002 Russia

<sup>c</sup> Central University of Rajasthan, NH-8, Bandar Seendri, Rajasthan, 305817 India

<sup>d</sup> Department of Materials Science and Technologies, CSIR National Institute for Interdisciplinary Science and Technology,

Trivandrum, Kerala, 695019 India

\*e-mail: shreder@imp.uran.ru

Submitted July 5, 2021; accepted for publication July 5, 2021

DOI: 10.1134/S0031918X21090155

1. The surname of the fifth author should read Ajit K. Patra.

2. Page 535, Section FUNDING, the number of the funding project should read as follows: Russian Foundation for Basic Research—Department of Science and Technology New Delhi, India (project no. 19-52-45008\_IND-a—INT/RUS/RFBR/379).

3. The following paragraph should be added after Section FUNDING:

For the studied sample of  $Mn_2CrAl$ , we have made a clarification of its crystal structure. The sample was found to have presented by itself a mixture of two different phases: of the  $\beta$ -Mn-type structure with space group  $P4_132$  (a = b = c = 6.401 Å; 68.55%) and of the bcc-Cr-type structure with space group  $Im\overline{3}m$  (a = b = c = 2.914 Å; 31.45%). This refinement does not effect the conclusions of our paper, because the metallic character of the  $\beta$ -Mn-type and bcc Cr-type electronic structure results in the Fermi level located in the region of high density of Mn and Cr 3*d*-states. For this reason, these electrons are weakly involved in the conduction and in the formation of the intraband contribution, which still allows one to relate the anomalies in the optical properties to the features of the electronic structure of the Mn<sub>2</sub>CrAl alloy.

The original article can be found online at

https://doi.org/10.1134/S0031918X20060125