

INTERNATIONAL SCIENTIFIC BOARD

Editor-in-chief: COL. Assoc.Prof.Eng. **Ioan VIRCA**, PhD

“Nicolae Bălcescu” Land Forces Academy, Sibiu

Editorial assistants: Assist.Prof. **Gabriel MĂNESCU**, PhD; RA **Maria-Lucia RUSU**, PhD

“Nicolae Bălcescu” Land Forces Academy, Sibiu

Technical editor: **Dorin HUȚANU**

“Nicolae Bălcescu” Land Forces Academy, Sibiu

MEMBERS

Adi ADUMITROAIE, Kaunas University of Technology, Lithuania;
Kadir AZTEKIN, Turkish Military Academy, National Defence University, Ankara, Turkey;
Alexandru BABOȘ, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Dorel BADEA, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Thomas BAK, University of Information Technology and Management, Rzeszów, Poland;
Ghiță BĂRSAN, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Paul BECHET, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Ioan BONDREA, “Lucian Blaga” University, Sibiu, Romania;
Ștefania BUMBUC, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Vasile CĂRUȚAȘU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Lucian-Ionel CIOCA, “Lucian Blaga” University, Sibiu, Romania;
Marius CIOCA, “Lucian Blaga” University, Sibiu, Romania;
Nicolae-Ionel CIUCĂ, Ministry of National Defence, Bucharest, Romania;
Ella Magdalena CIUPERCĂ, National Institute for Research and Development in Informatics, Bucharest, Romania;
Mădălina COCOȘATU, National University of Political Studies and Public Administration, Faculty of Public Administration, Bucharest, Romania;
Carmen COMĂNICIU, “Lucian Blaga” University, Sibiu, Romania;
Daniel-Sorin CONSTANTIN, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Anca DINICU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Teodora DRĂGHICI, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Virgil ENE-VOICULESCU, “Mircea cel Bătrân” Naval Academy, Constanța, Romania;
Cătălin FETECĂU, “Dunărea de Jos” University, Galați, Romania;
Elena FLORIȘTEANU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Laurian GHERMAN, “Henri Coandă” Air Force Academy, Brașov, Romania;
Constantin GRIGORAȘ, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Marcel HARAKAE, Armed Forces Academy of General Milan Rastislav Štefánik, Liptovský Mikuláš, Slovak Republic;
Dumitru IANCU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Florin ILIE, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Lucian ISPAS, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Adrian Liviu IVAN, “Mihai Viteazul” National Intelligence Academy, Bucharest, Romania;
Tomasz JALOWIEC, War Studies University, Warsaw, Poland;
Claudiu Vasile KIFOR, “Lucian Blaga” University, Sibiu, Romania;
Adrian LESENCIU, “Henri Coandă” Air Force Academy, Brașov, Romania;
Martin MACKO, University of Defence, Brno, Czech Republic;
Jaromír MAREŠ, University of Defence, Brno, Czech Republic;
Šárka MAYEROVÁ, University of Defence, Brno, Czech Republic;
Simona MICLĂUȘ, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Liviu-Nicolae MIHĂESCU, “Lucian Blaga” University, Sibiu, Romania;
Gabriela MIHĂILĂ-LICĂ, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Marius MILANDRU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;

Nicolae MORO, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Dănuț MOȘTEANU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Emanoil MUSCALU, “Lucian Blaga” University, Sibiu, Romania;
Mihai-Marcel NEAG, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Pavel NECAS, University of Security Management, Kosice, Slovak Republic;
Romana OANCEA, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Alena OULEHLOVÁ, University of Defence, Brno, Czech Republic;
Constantin OPREAN, “Lucian Blaga” University, Sibiu, Romania;
Pavel OTRISAL, University of Defence, Brno, Czech Republic;
Marioara PATEȘAN, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Silviu-Mihai PETRIȘOR, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Elitsa PETROVA, “Vasil Levski” National Military University, Veliko Tarnovo, Bulgaria;
Sorin PÎNZARIU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Toma PLEȘANU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Árpád POHL, Faculty of Military Sciences and Officer Training, Budapest, Hungary;
Ioan-Gabriel POPA, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Stelian POPESCU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Karl PRONHAGL, Theresian Military Academy, Wiener Neustadt, Austria;
Ștefan Eugen PRUNĂ, “Alexandru Ioan Cuza” Police Academy, Bucharest, Romania;
Aurelian RAȚIU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Ion ROCEANU, “Carol I” National Defence University, Bucharest, Romania;
Cristina Teodora ROMAN, “Alexandru Ioan Cuza” University, Iași, Romania;
Benoni SFĂRLOG, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Dariusz SKORUPKA, General Tadeusz Kosciuszko Military Academy of Land Forces, Wrocław, Poland;
Mirosław SMOLAREK, General Tadeusz Kosciuszko Military Academy of Land Forces, Wrocław, Poland;
Daniel SOLESCU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Leontin STANCIU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Robert STĂNCIULESCU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Róbert SZABOLCSI, Obuda University, Budapest, Hungary;
Octavian TĂRĂBUȚĂ, “Mircea cel Bătrân” Naval Academy, Constanța, Romania;
Venelin TERZIEV, “Vasil Levski” National Military University, Veliko Tarnovo, Bulgaria;
Ramona TODERICIU, “Lucian Blaga” University, Sibiu, Romania;
Paul TUDORACHE, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
George-Marius ȚICAL, “Alexandru Ioan Cuza” Police Academy, Bucharest, Romania;
Ioan VIRCA, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;
Mircea VLADU, “Nicolae Bălcescu” Land Forces Academy, Sibiu, Romania;

COPYRIGHT © 2019

First issued in 1996.

All rights reserved. No part of this publication may be reproduced without the prior permission of “Nicolae Bălcescu” Land Forces Academy Publishing House.

Each article is double blind peer reviewed by scientific advisors.

Authors take full responsibility for the articles published in this Review.

ISSN 2247-840X
ISSN-L = 1582-6384

Land Forces Academy Review is indexed in several International Databases.
For further information please visit <https://www.armyacademy.ro/engleza/review.php>

PUBLISHER:

“Nicolae Bălcescu”

Land Forces Academy Sibiu

Address: 3-5 Revoluției Street, Sibiu

Tel.: 0040269/432990

Fax: 0040269/215554

E-mail: office@armyacademy.ro
editura@armyacademy.ro

Web: www.armyacademy.ro
www.armyacademy.ro/editura