

Editor-In-Chief

Piotr Blaszczyk, Pedagogical University of Krakow, Poland

Vice Editor-In-Chief

Mirosława Sajka, Pedagogical University of Krakow, Poland

Assistant & Technical Editor

Anna Petiurenko, Pedagogical University of Krakow, Poland

Editorial Board

Ján Gunčaga, Faculty of Education, Comenius University in Bratislava, Slovakia

Valery A. Gusev, Moscow State Pedagogical University, Russia

Eszter Herendiné-Kónya, University of Debrecen, Hungary

Henryk Kałol, Teacher Training College in Bielsko-Biała, Poland

Tatjana Hodnik, University of Ljubljana, Slovenia

Leonid M. Kotlyar, Kama State Engineering and Economics Academy (INEKA), Russia

Jan Melichar, Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic

Josef Molnár, Palacký University in Olomouc, Czech Republic

Bogdan J. Nowecki, Pedagogical University of Krakow, Poland

Antoni Pardała, University of Rzeszów, Poland

Svetlana A. Rozanova, Moscow State Institute of Radio-engineering Electronics and Automation (MIREA), Russia

Ingrid Semanišínová, Pavol Jozef Safarik University in Košice, Slovakia

Vladimir G. Shibakov, Kama State Engineering and Economics Academy (INEKA), Russia

Galina Sinkevich, Saint Petersburg State University of Architecture and Civil Engineering, Russia

Helena Siwek, WSP im Janusza Korczaka in Warsaw, Poland

Shlomo Vinner, Hebrew University of Jerusalem, Israel

Eda Vula, University of Prishtina, Republic of Kosovo

Erich Ch. Wittmann, Technical University of Dortmund, Germany

Reviewers

John Baldwin, University of Illinois at Chicago, USA

Viktor Blásjő, Utrecht University, Netherlands

Beata Bugajska-Jaszczolt, Jan Kochanowski University of Kielce, Poland

Monika Czajkowska, Maria Grzegorzewska University, Poland

Bronisław Czarnocha, City University of New York, USA

Stanisław Domoradzki, University of Rzeszów, Poland

Tatjana Hodnik, University of Ljubljana, Slovenia

Piotr Jędrzejewicz, Nicolaus Copernicus University in Toruń, Poland

Eszter Herendiné Kónya, University of Debrecen, Hungary

Jan Koroński, Cracow University of Technology, Poland

Gianluca Longa, University of Clermont Auvergne, Clermont-Ferrand, France

Elżbieta Mrozek, University of Gdańsk, Poland

Barbara Pieronkiewicz, Pedagogical University of Krakow, Poland

Jerzy Pogonowski, Adam Mickiewicz University in Poznań, Poland

Anna Pызara, Maria Curie-Skłodowska University in Lublin, Poland

Stanisław Siudut, Pedagogical University of Krakow, Poland

Robert Sochacki, University of Opole, Poland

Tadeusz Stanis, Cracow University of Economics, Poland

Ewa Swoboda, State Higher School of Technology and Economics in Jarosław, Poland

Andrzej Wiśnicki, Pedagogical University of Krakow, Poland

www.didacticamath.up.krakow.pl

e-mail: annalesd@up.krakow.pl

© Copyright by Wydawnictwo Naukowe UP, Kraków 2020

ISSN 2080-9751

DOI 10.24917/20809751.12

Wydawca

Wydawnictwo Naukowe UP

30-084 Kraków, ul. Podchorążych 2

tel./faks: 12 662-63-83, tel. 12 662-67-56

e-mail: wydawnictwo@up.krakow.pl

<http://www.wydawnictwoup.pl>

druk i oprawa Zespół Poligraficzny UP