

UNIVERSITATEA “OVIDIUS” CONSTANȚA



A N A L E L E

UNIVERSITĂȚII “OVIDIUS” CONSTANȚA

**ANUL XII
(2001)**

Seria: CHIMIE

VOLUMUL XII

OVIDIUS UNIVERSITY PRESS

ANALELE
UNIVERSITĂȚII
“OVIDIUS”
CONSTANȚA

Seria:

CHIMIE

VOL.XII

ANUL XII – 2001

ISSN – 1223 – 7221

ANALELE UNIVERSITĂȚII “OVIDIUS” CONSTANȚA Seria CHIMIE “OVIDIUS” UNIVERSITY ANNALS OF CHEMISTRY

AIMS AND SCOPE

Revista “Analele Universității Ovidius” Constanța seria Chimie este o revistă periodică cu referenți ce publică lucrări originale conținând rezultate nepublicate în alte reviste. Lucrările trebuie prezentate în limba engleză.

“Ovidius” University Annals of Chemistry aims to publish original unpublished papers in all branches of fundamental and applied chemistry: inorganic, analytical, biochemistry, organic, physical chemistry, technology and chemical engineering.

EDITORS

Nicolae Rășanu and Dan Mandalopol

“Ovidius” University, Faculty of Physics, Chemistry and Petroleum Technology, 124, Mamaia Blvd., 8700 RO Constanța, Romania.

ADVISORY EDITORIAL BOARD

ANDRUH Marius, University of Bucharest, RO (Inorganic Chemistry);

CARAZEANU Ionela, “Ovidius” University of Constanța, RO (Inorganic Chemistry);

CHIRILĂ Elisabeta, “Ovidius” University of Constanța, RO (Analytical Chemistry).

FĂTU Dumitru, University of Bucharest, RO (Physical Chemistry);

MAGEARU Vasile, University of Bucharest, RO (Analytical Chemistry);

MANDALOPOL Dan, “Ovidius” University of Constanța, RO (Petroleum Technology);

MIHĂEȘI Mirela, “Ovidius” University of Constanța, RO (Organic Chemistry and Biochemistry);

PĂTRAȘCU Maximiliana, “Oil & Gas” University, Ploiești, RO (Petroleum Technology);

RĂȘANU Nicolae “Ovidius” University Constanța, RO (Organic Chemistry);

ROȘCA Sorin “Politehnica” University of Bucharest, RO (Organic Chemistry);

TĂRĂBĂȘANU-MIHĂILĂ Corneliu “Politehnica” University of Bucharest, RO (Chemical Engineering);

DESK EDITORS

Elisabeta Chirilă and Ionela Carazeanu

Mail address: “Ovidius” University, Faculty of Physics, Chemistry and Petroleum Technology, Department of Chemistry, 124, Mamaia Blvd., 8700 RO Constanța, Romania; e-mail: echirila@univ-ovidius.ro, icarazeanu@univ-ovidius.ro.

Executive secretary

Gabriela Stanciu, e-mail: gstanciu@univ-ovidius.ro.

ORDERING INFORMATION

Revista poate fi procurată prin schimb de publicații cu instituții similare din țară și străinătate;

The journal may be obtained on exchange basis with similar Romanian or foreign institutions;

124, Mamaia Blvd, 8700 – RO Constantza, ROMANIA

© 2001 Ovidius University Press. All rights reserved.

Printed in Romania

This journal and the individual contributions contained in it are protected under copyright by Ovidius University Press and the following terms and conditions apply to their use:

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the Publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying. Permissions may be sought directly from Ovidius University Press, 124 Mamaia Blvd, 8700 RO Constanța, Romania