

**Dorin JULA
Bianca PĂUNA
Corina SÂMAN**

On the 35th anniversary of the macro-modelling seminar

On the 35th anniversary of the macro-modelling seminar



Dorin JULA Bianca PĂUNA Corina SÂMAN



Editura ECONOMICĂ
ISBN 978-606-093-112-6



9 786060 931126



Editura ECONOMICĂ

Dorin JULA
Bianca PĂUNA
Corina SÂMAN

■
On the 35th anniversary
of the Macro-Modelling Seminar

Redactor: Cristina STOIAN

Copertă: Mihai GĂZDARU

Revizie text: Elena CONSTANTIN

Tehnoredactare computerizată: Nicoleta BOBOCEA

Descrierea CIP a Bibliotecii Naționale a României
On the 35-th anniversary of the macro-modelling seminar /
ed.: Dorin Jula, Bianca Păuna, Corina Sâman. - București :
Editura Economică, 2025
Conține bibliografie
ISBN 978-606-093-112-6

I. Jula, Dorin (ed.)
II. Păuna, Bianca (ed.)
III. Sâman, Corina (ed.)

Dorin JULA
Bianca PĂUNA
Corina SÂMAN

■

On the 35th anniversary of the Macro-Modelling Seminar



ISBN 978-606-093-112-6

Copyright © Editura Economică, 2025

Autorii sunt responsabili de clarificarea
dreptului de utilizare a informațiilor cuprinse în lucrare.

■

Comenzi la:

Editura Economică Distribuție

Casa Presei Libere, Corp A1, Etaj 3, Cam. 48-49

014820, București, Sector 1

Oficiul poștal 25, Ghișeul 1, Căsuța poștală 31

e-mail: comenzi@edecon.ro

Tel.: (+4) 031.432.96.02; Fax: (+4) 021.210.73.10

<http://www.edecon.ro>

Founded in June 1990 – by acad. Emilian Dobrescu – the ***Macro-modelling Seminar*** has functioned initially as a Department of the National Institute for Economic Research. It was transformed in 2008 into the ***Center for Macroeconomic Modelling*** of the Romanian Academy. During its existence, the Seminar was held weekly, the topics discussed were the new trends in the quantitative macroeconomic analysis, as well as the participants' personal research in this field. The studies gathered in the present volume are a respectful homage to all who were alongside this generous project.



Content

Papers

The education – growth nexus: a global and income – based ARDL–ECM analysis Dorin JULA, Nicolae-Marius JULA.....	9
Analysis of seasonality in macroeconomic time series Tudorel ANDREI, Sorin DINU	39
Change in household demand in the context of concerns regarding the transition to a healthy diet Cecilia ALEXANDRI, Bianca PAUNA, Corina SAMAN	55
Income inequality, renewable energy consumption and energy poverty in the European Union Mihaela SIMIONESCU	71
The trade-off between pollution and inequality. Empirical evidence from the new EU member states Bianca PAUNA and Corina SAMAN	85
Analysis of the degree of structural convergence of Romania's manufacturing industry Andrei Silviu DOSPINESCU	109
The correlation between the gross domestic product and fixed capital stock dynamics in Romania in the context of the end of transition to a market economy and the integration in the European Union Florin Marius PAVELESCU	121

Detecting and limiting multicollinearity using the variance-covariance matrix of explanatory variables

Daniel CIUIU 145

Romanian economy – mid-run challenges

Andrei RĂDULESCU 157

Essays

An essay on defence of normative methodology in science

Emil DINGA..... 167

35 years of activity – Macroeconomic Modelling Seminar

Viorel GAFTEA 179

Dialogue with AI, ChatGPT

George Daniel MATEESCU 183

Beginning of prognosis activity in Romania after 1989

Elena PELINESCU 209