

Alexandra-Anca PURCEL

Nume: PURCEL

Prenume: Alexandra-Anca

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Student Doctorand în Economie [cotutelă internațională]: Școala de Economie și Laboratorul CERDI, Universitatea Clermont-Auvergne (Clermont-Ferrand, Franța) și Departamentul de Statistică-Previziuni-Matematică, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai (Cluj-Napoca, România).

Titlul tezei: Eseuri asupra relației dintre creșterea economică și calitatea mediului.

Interese de cercetare: economia mediului, economia energiei, economia dezvoltării, econometrie și statistică aplicată.

Activitatea Didactică

Octombrie 2019-Martie 2020: Cadru didactic asociat, Departamentul de Statistică Previziuni Matematică, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai (Cluj-Napoca).

Octombrie 2018-Martie 2019: Cadru didactic asociat, Departamentul de Statistică Previziuni Matematică, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai (Cluj-Napoca).

Mai 2018: Lecturer in Injury Statistics. Summer School on Violence and Injury Prevention (SCOPE). Cluj School of Public Health, College of Political, Administrative and Communication Sciences, Universitatea Babeș-Bolyai (Cluj-Napoca).

April 2014-May 2014: Profesor liceu. Clasele a IX a și a X a (materii predate: "Protecția consumatorului și a mediului"/"Organizarea unității economice" și "Recrutarea și selecția resurselor umane"; *perioadă de practică pe durata modulului psihopedagogic*), Colegiul Economic "Iulian Pop" (Cluj-Napoca).

Experiență în Muncă

Aprilie 2016-Septembrie 2017: Data Scientist-Econometrician, Orpheus Risk Management Indices & Tralio, Cluj-Napoca.

Martie 2015-Martie 2016: Junior Associate, Romanian Economic Institute, Cluj-Napoca;

Mai 2013: Project Consultant (Internship), Iara Town Hall, Iara, Cluj-Napoca.

Educație

Iunie 2017-prezent: Student Doctorand în Economie, Școala de Economie și Centrul de Studii și Cercetări în Dezvoltare Internațională ([CERDI](#)), Uniunea Clermont Auvergne (Clermont-Ferrand).

Octombrie 2016-prezent: Student Doctorand în Economie, Departamentul de Statistică Previziuni Matematică, Facultatea de Științe Economice și Gestiunea Afacerilor, ([FSEGA](#)), Universitatea Babeș-Bolyai (Cluj-Napoca).

2014-2016: Master în Econometrie și Statistică Aplicată, Departamentul de Statistică Previziuni Matematică, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai (Cluj-Napoca).

2011-2014: Licență în Economie, Departamentul de Economie Politică, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai (Cluj-Napoca).

2011-2014: Modulul Psihopedagogic (Nivel I), Facultatea de Psihologie și Științe ale Educației, Universitatea Babeș-Bolyai (Cluj-Napoca).

2007-2011: Liceul de Informatică „Tiberiu Popoviciu” (Cluj-Napoca).

Cercetare

Publicații

[1] Purcel, A.-A., 2020. New insights into the transmission channel of external shocks on CO2 emissions: Evidence from developing states. *Romanian Journal of Economic Forecasting*, forthcoming.

[2] Purcel, A.-A., 2020. Environmental degradation and political stability: A comparative study of civil and common law developing economies. *Review of Economic Studies and Research Virgil Madgearu* 13(1), 93-113.

DOI: 10.24193/RVM.2020.13.54

[3] Purcel, A.-A., 2020. New insights into the environmental Kuznets curve hypothesis in developing and transition economies: a literature survey. *Environmental Economics and Policy Studies*. DOI: 10.1007/s10018-020-00272-9

[4] Purcel, A.-A., 2019. Does political stability hinder pollution? Evidence from developing states. *The Economic Research Guardian* 9(2), 75-98.

Available at: [https://www.ecrg.ro/files/p2019.9\(2\)2y2.pdf](https://www.ecrg.ro/files/p2019.9(2)2y2.pdf)

[5] Lazăr, D., Minea, A., Purcel, A.-A., 2019. Pollution and economic growth: Evidence from Central and Eastern European countries. *Energy Economics* 81, 1121-1131. [UEFISCDI IF Q1/AIS Q2] [CNRS 2] DOI:10.1016/j.eneco.2019.05.011

* Paper awarded for research excellence by Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romanian Ministry of National Education (MEN) through PNCDI III, SP 1.1, Rewarding research results - articles PRECISI-2019 (Proposal Registration Code: PN-III-P1-1.1-PRECISI-2019-36955).

Cercetare în curs

[1] Environmental protection expenditure in Romanian firms.

Prezentări la Conferințe, Workshop-uri, și Seminarii

[2019]

[1] INFER Workshop on "Energy and environmental policies: new macro-financial implications", Politehnica University of Timisoara and INFER (Timisoara);

[2] Cluj Economics and Business Seminar Series (CEBSS), Faculty of Economics and Business Administration (FSEGA), Babeș-Bolyai University (Cluj-Napoca);

[3] Globalization and Higher Education in Economics and Business Administration (GEBA). Faculty of Economics and Business Administration, Alexandru Ioan Cuza University of Iasi (Iasi);

[4] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

[5] Institute for Applied Economics and Social Value Workshop-Economics for the Social Good (IAESV). Leicester Castle Business School at De Montfort University (Leicester) [IAESV full scholarship].

[2018]

[1] The Thirteen International Conference On Economic Cybernetic Analysis: Sustainable Growth In The Current Socio-Political Context (SGSP). The Bucharest University of Economic Studies (Bucharest);

[2] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration, Alexandru Ioan Cuza University of Iasi (Iasi);

[3] Rimini Conference in Economics and Finance (RCEF). The Rimini Center of Economic Analysis, Palacongressi (Rimini);

[4] 12th Conference on Applied Statistics (ICAS). The Bucharest University of Economic Studies (Bucharest).

[2017]

[1] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

[2] International Workshop on Rethinking Development and Macroeconomic Policy (INFER). Faculty of Economics and Business Administration (Cluj-Napoca).

Participări la Conferințe, Workshop-uri, și Seminarii

[2020]

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Doctoral Conferences, School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeș-Bolyai University (Cluj-Napoca).

[2019]

ERMAS: Course in macroeconomics "*Real Business Cycle models*", Babeș-Bolyai University (Cluj-Napoca);

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeș-Bolyai University (Cluj-Napoca);

PhD-Workshop: Scientific Paper Writing in Management and Economics. University of Vienna (Vienna);

Doctoral Conferences, School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand).

[2018]

Course "*Structural Equation Modelling, AMOS & STATA*", Babeș-Bolyai University (Cluj-Napoca);

ERMAS: "*Intensive Course Microeconometrics with STATA*", Alexandru Ioan Cuza University (Iași);

Course "*Academic Writing and Publishing Strategies*", Babeș-Bolyai University & French Institute (Cluj-Napoca);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeș-Bolyai University (Cluj-Napoca);

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Ph.D. Students Workshop (FSEGA), Faculty of Economics and Business Administration (Cluj-Napoca).

[2017]

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Master course in "*Program Evaluation*", University Clermont Auvergne & CERDI (2nd year master Economie du Développement);

Ph.D. Seminar, LEO, University of Orléans (Orléans);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

ERMAS: "*Topics in Empirical Industrial Organization course*", Babeş-Bolyai University (Cluj-Napoca);

Journées Doctorales du Développement (Clermont-Ferrand);

Jean Monnet Program «Europe and sustainable development» (Clermont-Ferrand);

11th International Conference on the Chinese Economy (Clermont-Ferrand).

[2016]

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca).

[2015]

Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

ERMAS: "*Game Theory course*", Babeş-Bolyai University (Cluj-Napoca).

[2013]

Course "*Business Ethics*", organized under the Strategic Project

"Collaborative Integrated System Based on Knowledge for Improving the Management of Economics Universities, in the Context of New National Qualifications Framework in Higher Education" (HRD 2007 – 2013), held at the Academy of Economics Studies (Bucharest, October 2012-March 2013).

[2012] "*Technical Seminars PwC*", held at the Faculty of Economics and Business Administration, PricewaterhouseCoopers (Cluj-Napoca, April-May 2012).

[2011] Course "*Database Design and Programming with SQL*", Oracle Academy (Cluj-Napoca, February-May 2011).

Certificate of Professional Competence, Computer Science, (Cluj-Napoca).

Școli de Primăvară/Vară

[2019]

[1] Research and Expertise Centre for Survey Methodology (RECSM) Summer School in Survey Methodology, Pompeu Fabra University, (Bracelona), [July 1st-12th].

Course: *Applied Bayesian Modelling for Social Sciences.*

[2] Sustainability Spring School: Systems Thinking for the SDGs, Millennium Institute & Jean Monnet Centre of Excellence on Sustainability (ERASME), University Clermont Auvergne, Polytech, April 8th-12th (Clermont-Ferrand, France).

Courses: (1) *Systems thinking in the 2030 Agenda (partly covered by ESCAP online Module)*; (2) *The emergence of complex dynamics in development interventions*; (3) *The basic building Blocks*; (4) *System archetypes*; (5) *Leverage points*.

[2018]

[1] University of Barcelona School of Economics Summer School, July 2nd-6th (Barcelona)
Courses: (1) *R Programming Refresher Session*; (2) *Introduction : Why Big Data brings New Questions*; (3) *Simulation Based Techniques & Bootstrap*; (4) *Loss Functions : from OLS to Quantile Regression*; (5) *Nonlinearities and Discontinuities*; (6) *Cross-Validation and Out-of-Sample Diagnosis*; (7) *Variable and Model Selection*; (8) *New Tools for Classification Problems*; (9) *New Tools for Time Series & Forecasting*.

[2015]

[1] Europe & Liberty Seminar, Theodor Heuss Akademie, July 19th-25th, (Gummersbach)
Courses: (1) *Liberty and Development*; (2) *Property Rights in Defence of the Environment*; (3) *Markets for Energy*; (4) *Capitalism, Democracy, and "Other People's money"*; (5) *What is Liberty*; (6) *Political Philosophy and the Importance of Liberalism*; (7) *Why Do Libertarians Disagree?*

Burse obținute

2017-2020: Bourse du Gouvernement Français pour le Doctorat en Cotutelle Franco-Roumain.

2016-2019: Bursă de la Ministerul Educației Naționale din Romania (studii de doctorat).

2014-2016: Bursă de la Universitatea Babeș-Bolyai (studii de master).

2011-2014: Bursă de la Universitatea Babeș-Bolyai (studii de de licență).

Altele

Softuri statistice: Stata, Eviews, R, SPSS, GeoDa, Gauss.

Altele: Robomongo (database), Bloomberg Terminal.

Alexandra-Anca PURCEL

Surname: PURCEL

First name: Alexandra-Anca

E-mail: alexandra.anca.p@gmail.com

Ph.D. Student in Economics [international cotutelle]: School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand, France) and Department of Statistics-Forecasts-Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University (Cluj-Napoca, Romania).

Thesis title: Essays on the relationship between economic growth and environmental quality.

Research interests: environmental economics, energy economics, development economics, applied statistics and econometrics.

Teaching Activity

October 2019-March 2020: Teaching Assistant, Department of Statistics-Forecasts-Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University (Cluj-Napoca).

October 2018-March 2019: Teaching Assistant, Department of Statistics-Forecasts-Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University (Cluj-Napoca).

May 2018: Lecturer in Injury Statistics. Summer School on Violence and Injury Prevention (SCOPE). Cluj School of Public Health, College of Political, Administrative and Communication Sciences, Babeş-Bolyai University (Cluj-Napoca);

April 2014-May 2014: Economics Highschool Teacher. Tenth/Ninth Grade (classes: "Consumer and Environmental Protection"/"The Organization of Economic Unit" & "The Recruitment and Selection of Human Resources"; *teaching practice period within psycho pedagogical module*), Economic College "Iulian Pop" (Cluj-Napoca).

Work Experience

April 2016-September 2017: Data Scientist-Econometrician, Orpheus Risk Management Indices & Tralio, Cluj-Napoca.

March 2015-March 2016: Junior Associate, Romanian Economic Institute, Cluj-Napoca.

1st May 2013-20th May 2013: Project Consultant (Internship), Iara Town Hall, Iara, Cluj-Napoca.

Education

since June 2017: Ph.D. Student in Economics, School of Economics & Center for Studies and Research in International Development ([CERDI](#)), University Clermont Auvergne (Clermont-Ferrand).

since October 2016: Ph.D. Student in Economics, Faculty of Economics and Business Administration ([FSEGA](#)), Babeş-Bolyai University (Cluj-Napoca).

2014-2016: MS.c. in Econometrics and Applied Statistics, Faculty of Economics and Business Administration, Babeş-Bolyai University (Cluj-Napoca).

2011-2014: BS.c. in Applied Economics, Faculty of Economics and Business Administration, Babeş-Bolyai University (Cluj-Napoca).

2011-2014: Psycho Pedagogical Module (Level I), Faculty of Psychology and Educational Sciences, Babeş-Bolyai University (Cluj-Napoca).

2007-2011: Highschool of Computer Science „Tiberiu Popoviciu” (Cluj-Napoca).

Research

Publications

[1] Purcel, A.-A., 2020. New insights into the transmission channel of external shocks on CO2 emissions: Evidence from developing states. Romanian Journal of Economic Forecasting, forthcoming.

[2] Purcel, A.-A., 2020. Environmental degradation and political stability: A comparative study of civil and common law developing economies. Review of Economic Studies and Research Virgil Madgearu 13(1), 93-113.

DOI: 10.24193/RVM.2020.13.54

[3] Purcel, A.-A., 2020. New insights into the environmental Kuznets curve hypothesis in developing and transition economies: a literature survey. Environmental Economics and Policy Studies. DOI: 10.1007/s10018-020-00272-9

[4] Purcel, A.-A., 2019. Does political stability hinder pollution? Evidence from developing states. The Economic Research Guardian 9(2), 75-98.

Available at: [https://www.ecrg.ro/files/p2019.9\(2\)2y2.pdf](https://www.ecrg.ro/files/p2019.9(2)2y2.pdf)

[5] Lazăr, D., Minea, A., Purcel, A.-A., 2019. Pollution and economic growth: Evidence from Central and Eastern European countries. *Energy Economics* 81, 1121-1131. [UEFISCDI IF Q1/AIS Q2] [CNRS 2] DOI:10.1016/j.eneco.2019.05.011

* Paper awarded for research excellence by Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romanian Ministry of National Education (MEN) through PNCDI III, SP 1.1, Rewarding research results - articles PRECISI-2019 (Proposal Registration Code: PN-III-P1-1.1-PRECISI-2019-36955).

Ongoing Research

[1] Environmental protection expenditure in Romanian firms.

Presentations in Conferences, Workshops, and Seminars

[2019]

[1] INFER Workshop on "Energy and environmental policies: new macro-financial implications", Politehnica University of Timisoara and INFER (Timisoara);

[2] Cluj Economics and Business Seminar Series (CEBSS), Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

[3] Globalization and Higher Education in Economics and Business Administration (GEBA). Faculty of Economics and Business Administration, Alexandru Ioan Cuza University of Iasi (Iasi);

[4] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

[5] Institute for Applied Economics and Social Value Workshop-Economics for the Social Good (IAESV). Leicester Castle Business School at De Montfort University (Leicester) [IAESV full scholarship].

[2018]

[1] The Thirteen International Conference On Economic Cybernetic Analysis: Sustainable Growth In The Current Socio-Political Context (SGSP). The Bucharest University of Economic Studies (Bucharest);

[2] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration, Alexandru Ioan Cuza University of Iasi (Iasi);

[3] Rimini Conference in Economics and Finance (RCEF). The Rimini Center of Economic Analysis, Palacongressi (Rimini);

[4] 12th Conference on Applied Statistics (ICAS). The Bucharest University of Economic Studies (Bucharest).

[2017]

[1] Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

[2] International Workshop on Rethinking Development and Macroeconomic Policy (INFER). Faculty of Economics and Business Administration (Cluj-Napoca).

Seminars and Courses attended

[2020]

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Doctoral Conferences, School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca).

[2019]

ERMAS: Course in macroeconomics *"Real Business Cycle models"*, Babeş-Bolyai University (Cluj-Napoca), forthcoming;

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

PhD-Workshop: Scientific Paper Writing in Management and Economics. University of Vienna (Vienna);

Doctoral Conferences, School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand).

[2018]

Course *"Structural Equation Modelling, AMOS & STATA"*, Babeş-Bolyai University (Cluj-Napoca);

ERMAS: *"Intensive Course Microeconometrics with STATA"*, Alexandru Ioan Cuza Univeristy (Iaşi);

Course *"Academic Writing and Publishing Strategies"*, Babeş-Bolyai University & French Institute (Cluj-Napoca);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Ph.D. Students Workshop (FSEGA), Faculty of Economics and Business Administration (Cluj-Napoca).

[2017]

Ph.D./Research [Seminars], School of Economics & CERDI, University Clermont Auvergne (Clermont-Ferrand);

Master course in *"Program Evaluation"*, University Clermont Auvergne & CERDI (2nd year master Economie du Développement);

Ph.D. Seminar, LEO, University of Orléans (Orléans);

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

ERMAS: *"Topics in Empirical Industrial Organization course"*, Babeş-Bolyai University (Cluj-Napoca);

Journées Doctorales du Développement (Clermont-Ferrand);

Jean Monnet Program «Europe and sustainable development» (Clermont-Ferrand);

11th International Conference on the Chinese Economy (Clermont-Ferrand).

[2016]

CEBSS, Faculty of Economics and Business Administration (FSEGA), Babeş-Bolyai University (Cluj-Napoca);

[2015]

Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS). Faculty of Economics and Business Administration (Cluj-Napoca);

ERMAS: *"Game Theory course"*, Babeş-Bolyai University (Cluj-Napoca).

[2013]

Course *"Business Ethics"*, organized under the Strategic Project

"Collaborative Integrated System Based on Knowledge for Improving the Management of Economics Universities, in the Context of New National Qualifications Framework in Higher Education" (HRD 2007 – 2013), held at the Academy of Economics Studies (Bucharest, October 2012-March 2013).

[2012] *"Technical Seminars PwC"*, held at the Faculty of Economics and Business Administration, PricewaterhouseCoopers (Cluj-Napoca, April-May 2012).

[2011] Course *"Database Design and Programming with SQL"*, Oracle Academy (Cluj-Napoca, February-May 2011);

Certificate of Professional Competence, Computer Science, (Cluj-Napoca).

Summer Schools

[2019]

[1] Research and Expertise Centre for Survey Methodology (RECSM) Summer School in Survey Methodology, Pompeu Fabra University, (Bracelona), [July 1st-12th].

Course: *Applied Bayesian Modelling for Social Sciences*

[2] Sustainability Spring School: Systems Thinking for the SDGs, Millennium Institute & Jean Monnet Centre of Excellence on Sustainability (ERASME), University Clermont Auvergne, Polytech, April 8th-12th (Clermont-Ferrand, France).

Courses: (1) *Systems thinking in the 2030 Agenda (partly covered by ESCAP online Module)*; (2) *The emergence of complex dynamics in development interventions*; (3) *The basic building Blocks*; (4) *System archetypes*; (5) *Leverage points*.

[2018]

[1] University of Barcelona School of Economics Summer School, July 2nd-6th (Barcelona)
Courses: (1) *R Programming Refresher Session*; (2) *Introduction : Why Big Data brings New Questions*; (3) *Simulation Based Techniques & Bootstrap*; (4) *Loss Functions : from OLS to Quantile Regression*; (5) *Nonlinearities and Discontinuities*; (6) *Cross-Validation and Out-of-Sample Diagnosis*; (7) *Variable and Model Selection*; (8) *New Tools for Classification Problems*; (9) *New Tools for Time Series & Forecasting*.

[2015]

[1] Europe & Liberty Seminar, Theodor Heuss Akademie, July 19th-25th, (Gummersbach)
Courses: (1) *Liberty and Development*; (2) *Property Rights in Defence of the Environment*; (3) *Markets for Energy*; (4) *Capitalism, Democracy, and "Other People's money"*; (5) *What is Liberty*; (6) *Political Philosophy and the Importance of Liberalism*; (7) *Why Do Libertarians Disagree?*

Scholarships

2017-2020: Bourse du Gouvernement Français pour le Doctorat en Cotutelle Franco-Roumain.

2016-2019: Fellowship from The Ministry of National Education, Romania (graduate studies: Ph.D. degree).

2014-2016: Scholarship from Babeş-Bolyai University (graduate studies: Master's degree).

2011-2014: Scholarship from Babeş-Bolyai University (undergraduate studies: Bachelor's degree).

Others

Statistical softwares: Stata, Eviews, R, SPSS, GeoDa, Gauss.

Others: Robomongo (database), Bloomberg Terminal.