

**ALBERTO BUCCI**  
**CURRICULUM VITAE ET STUDIORUM (CV)**  
(This Version: April 2017)

**CURRENT UNIVERSITY POSITIONS AND AFFILIATIONS**

11/2011 - Today	<b>Full Professor of Economics</b> SECSóP/01, Economia Politica Faculty of Political, Economic and Social Sciences (SPES) Department of Economics, Management and Quantitative Methods (DEMM)	<b>University of Milan, Italy</b>
06/2013 - Today	<b>Senior Research Fellow, RCEA</b> ( <i>Rimini Center for Economic Analysis</i> )	<b>University of Bologna at Rimini, Italy</b>
11/2011 - Today	<b>Research Fellow, CICSE</b> Inter-Universities Center for Economic Growth and Development ( <i>Centro Interuniversitario sulla Crescita e lo Sviluppo Economico</i> )	<b>University of Pisa, Italy</b>
01/2015 - Today	<b>Scientific Director of the <i>Research Laboratory on Finance and Growth</i></b> (FinGro Lab ó DEMM) <a href="http://www.financeandgrowth.unimi.it/">http://www.financeandgrowth.unimi.it/</a>	<b>University of Milan, Italy</b>

**PAST UNIVERSITY POSITIONS**

03/2005 ó 11/2011	<b>Associate Professor of Economic Policy</b> SECSóP/02, Politica Economica Faculty of Political Sciences Department of Economics, Management and Quantitative Methods	<b>University of Milan, Italy</b>
07/2001 - 03/2005	<b>Assistant Professor of Economic Policy</b> SECSóP/02, Politica Economica Faculty of Political Sciences Department of Economics, Management and Quantitative Methods	<b>University of Milan, Italy</b>
09/2002 - 09/2012	<b>(External) Research Fellow</b> Université catholique de Louvain, Département des Sciences Économiques	<b>Louvain-la-Neuve, Belgium</b>

## APPOINTMENTS

11/2016 ó 10/2018 **Member of the National Commission for the Qualification to the Position of Professor in Economics (*Public Economics*, 13/A3).**  
[file:///C:/Users/bucci/Downloads/DD%20NOMINA%20INTEGRATIVA%2013A3%20MACRO.0003428.15-12-2016%20\(4\).pdf](file:///C:/Users/bucci/Downloads/DD%20NOMINA%20INTEGRATIVA%2013A3%20MACRO.0003428.15-12-2016%20(4).pdf)

## EDUCATION

09/2002 **Université catholique de Louvain** **Louvain-la-Neuve, Belgium**  
Département des Sciences Économiques  
Ph.D. in Economics  
**Thesis:** òEssays on Human Capital, Technology, Market Power and Growthö  
**Thesis Committee:** B. Amable (Panthéon-Sorbonne, France), R. Boucekkine (CORE, Louvain-la-Neuve), D. de la Croix (CORE, Louvain-la-Neuve), J. Ruiz (Carlos III, Madrid), H. Sneessens (Dept. of Econ. Louvain-la-Neuve)

02/1999 **University of Ancona** **Ancona, Italy**  
Department of Economics  
Ph.D. in Economics  
**Thesis:** òMarket Power and Long-Run Economic Growthö  
(This thesis has been mentioned by the Italian Society of Economists, SIE, as one of the five best Italian Ph.D. thesis in Economics defended in the academic year 1998/1999)

09/1994 - 06/1995 **Bocconi University** **Milan, Italy**  
*M.Ec. ó Master in Economics*

07/1993 **Bocconi University** **Milan, Italy**  
(Undergraduate) Degree in Economics

## TEACHING

### (Selected) GRADUATE COUSES

**Master in Economics, Université catholique de Louvain (Louvain-la-Neuve, Belgium)**  
Département des Sciences Economiques  
*Teaching Assistant* Advanced Macroeconomics. Academic year 1999/2000

**Master in Economics (CORIPE Piedmont, University of Turin)**  
*Teaching Assistant* Microeconomics II (Industrial Organization) and Game Theory. Academic year 2000/2001  
*Teaching Assistant* Macroeconomics I. Academic years 2000/2001 through 2004/2005

**Master in Economics (CORIPE Piedmont, University of Turin)**

Macroeconomics II (*Matching models in the labor market; Real business cycle theory; Endogenous growth theory*)  
Academic years 2005/2006 through 2008/2009

**Master in Applied Econometrics (University of Pavia)**

Macroeconomics (*The Economics of Growth*). Academic year 2001/2002

**Ph.D. in Economics/LASER (Lombard Advanced School for Economic Research) - University of Milan**

Macroeconomics (*The Economics of Growth*). Academic years 2002/2003 through 2016/2017

**Advanced Macroeconomics (MEF ó Master in Economics and Finance)**

University of Milan. Since academic year 2017/2018

**Graduate School of Louvain, Ph.D. in Economics, Université catholique de Louvain (Louvain-la-Neuve, Belgium)**

Département des Sciences Economiques

*Research and Development (R&D)-based Growth*, Academic year 2007/2008, April 2008

**Ph.D. in Economics, University of York (UK)**

Department of Economics and Related Studies

*Endogenous Growth Theory: Some Selected Topics*, Academic year 2008/2009, May 2009

**Ph.D. in Economics, Polytechnic University of Ancona (Ancona, Italy)**

Department of Economics

*Endogenous Growth Theory: AK Human Capital and Innovation*, Academic year 2012/2013, February 2013

*Growth Theory: Endogenous and Directed Technological Change*, Academic year 2013/2014, March 2014

*Endogenous Technological Change, Human Capital, Innovation, and Scale Effects*, Academic year 2014/2015, March 2015

## UNDERGRADUATE COURSES

**Microeconomics**

University of Milan. Academic year 2001/2002

**Macroeconomics**

University of Milan. Academic years 2002/2003 through 2007/2008

**Macroeconomics**

University of Bologna (at Rimini). Academic years 2002/2003 through 2004/2005

**Economics (Micro and Macroeconomics)**

University of Milan. Academic years 2008/2009 through 2013/2014

**Topics in Economic Analysis and Policy (Module I: The Economics of Growth)**

University of Milan. Academic years 2009/2010 through 2011/2012

**Economics of European Integration**

University of Milan. Academic years 2010/2011 through 2013/2014

**Microeconomics**

University of Milan. Academic year 2014/2015

**Economics of Growth**

University of Milan. Academic years 2014/2015 through 2016/2017

**Macroeconomics**

University of Milan. Since the academic year 2015/2016

**Macroeconomics**

University of Milan-Bicocca. Academic years 2015/2016 through 2016/2017

**(Selected) RESEARCH GRANTS*****Growth and Incentive Design***

Université catholique de Louvain (Louvain-la-Neuve, Belgium)

Département des Sciences Economiques

Project coordinators: R. Anderson, F. Bloch, R. Boucekkinne, D. de la Croix, P. Monfort, O. Scaillet and H. Sneessens.  
08/1999 - 12/2002

***Income Distribution and Economic Growth***

Project coordinator: N. Salvadori (University of Pisa)

12/2002 - 12/2004

***Population, Innovation, Human Capital and Growth***

Project coordinator: O. Garavello (University of Milan)

12/2005 - 12/2007

***Structural Change, Dynamics and Economic Growth***

Project coordinator: N. Salvadori (University of Pisa)

10/2011 - 10/2013

**(Selected) SEMINARS/CONFERENCES (since 2006)**

- 2017: Royal Economic Society Annual Conference (University of Bristol, UK).
- 2016: University of Turin (invited seminar); University of Maastricht (invited seminar); Karlsruhe Institute of Technology (KIT, Germany) ó invited seminar).
- 2015: Wien (*13<sup>th</sup> Viennese Workshop on Optimal Control and Dynamic Games*, 13-16 May 2015, invited by A. Prskawetz and K. Prettner within the special session on: *Endogenous Economic Growth and Population Dynamics*ö, <http://orcos.tuwien.ac.at/events/vw2015/>); Cambridge, UK (15<sup>th</sup> Annual SAET Conference ó Society for the Advancement of Economic Theory, 27-31 July 2015).
- 2014: Milan (DEMM seminar).
- 2013: Ancona (invited seminar); Livorno (Conference on *Structural Change, Dynamics, and Economic Growth*ö); Lisbon (PETö2013, *Association for Public Economic Theory* Annual Meeting); Rome (SIEDS, 50<sup>th</sup> Annual Meeting of the Italian Society for Economics, Demography and Statistics); RCEA (Annual Meeting of the Rimini Centre for Economic Analysis); MERIT (Maastricht, invited seminar).

- 2012: National Research University ó Higher School of Economics of Economics (Saint Petersburg, 3 invited seminars); DEGIT XVII (*Dynamics, Economic Growth and International Trade*, Annual Meeting, Milan); Cagliari (invited seminar); Universitat de Barcelona (invited seminar); Florence (invited seminar).
- 2011: DEGIT XVI (*Dynamics, Economic Growth and International Trade*, Annual Meeting, Saint Petersburg).
- 2010: Roma Tre (invited seminar); DEGIT XV (*Dynamics, Economic Growth and International Trade*, Annual Meeting, Frankfurt); Essen (Annual Meeting of the *European Society for Population Economics*, ESPE); Universitat de Barcelona (invited seminar).
- 2009: Sassari (invited seminar); DEGIT XIV (*Dynamics, Economic Growth and International Trade*, Annual Meeting, UCLA, Los Angeles).
- 2008: Kyoto (6<sup>th</sup> International Conference on Economic Theory - *óMarket Quality Dynamicsö*, invited presentation).
- 2007: Chicago (Annual Meeting of the *European Society for Population Economics*, ESPE).
- 2006: Amsterdam (33<sup>rd</sup> *EARIE Conference*); DEGIT XI (*Dynamics, Economic Growth and International Trade*, Annual Meeting, Jerusalem, Hebrew University); Kiel (Workshop on *óInnovation, R&D and Adoption of New Technologyö*).

## REFEREING ACTIVITY (ACADEMIC JOURNALS)

*B.E. Journal of Macroeconomics* (BEJM); *Bulletin of Economic Research* (BoER); *Canadian Journal of Economics* (CJE); *Economia Politica*; *Economic Inquiry*; *Economic Modelling*; *Economics Bulletin* (EB); *Economics Letters* (EL); *International Journal of Manpower* (IJM); *International Review of Economics*; *Italian Economic Journal*; *Journal of Developing Areas* (JDA); *Journal of Development Economics* (JDE); *Journal of Economic Behaviour and Organization* (JEBO); *Journal of Economic Dynamics and Control* (JEDC); *Journal of Economic Growth* (JoEG); *Journal of Economic Inequality* (JoEI); *Journal of Economics* (JE); *Journal of Evolutionary Economics* (JEE); *Journal of Macroeconomics*; *Journal of Mathematical Economics* (JME); *Journal of Optimization Theory and Applications* (JOTA); *Journal of Population Economics* (JoPE); *Journal of Public Economic Theory* (JPET); *Macroeconomic Dynamics* (MD); *Mathematical Modelling of Natural Phenomena* (MMNP); *Mathematical Social Science* (MSS); *Metroeconomica*; *Natural Resource Modeling* (NRM); *North American Journal of Economics and Finance* (NAJEF); *Papers in Regional Science* (PIRS); *Politica Economica*; *Population Research and Policy Review* (POPUR); *Public Choice*; *Recherches Économiques de Louvain* (REL); *Research in Economics*; *Review of Development Economics* (RDE); *Rivista di Politica Economica* (RPE); *Rivista Internazionale di Scienze Sociali*; *Rivista Italiana degli Economisti* (RIE); *The Manchester School*.

## REFEREING ACTIVITY (INTERNATIONAL ACADEMIC BOOKS)

- *Old and New Growth Theories: An Assessment*, N. Salvadori (Ed. by), Edward Elgar, Cheltenham, UK and Northampton, MA, USA (2003)

- *Innovation, Unemployment and Policy in the Theories of Growth and Distribution*, R. Balducci and N. Salvadori (Ed. by), Edward Elgar, Cheltenham, UK and Northampton, MA, USA (2005)

## OTHER SCIENTIFIC ACTIVITIES

- Karlsruhe Institute of Technology ó *KIT* (Germany)  
Visiting Scholar (June 2016)
- University of Hohenheim (Germany);  
Visiting Scholar (April 2016)
- National Research University ó Higher School of Economics  
*Center for Market Studies and Spatial Economics* (MSSE), Saint Petersburg, Russian Federation  
Visiting Scholar (September ó October 2012)
- University of York (UK), Department of Economics and Related Studies  
Visiting Scholar (May 2009)
- Université catholique de Louvain (Louvain-la-Neuve, Belgium), *Département des Sciences Economiques*  
Visiting Scholar (June/July 2005; July 2006; September 2006; April 2007; September 2007; April/  
May 2008; June/July 2009; October 2009; June 2010)
- External Supervisor of the Ph.D. Thesis of Luca Spinesi on *Innovation, Scale Effects and Economic Growth*  
(Ph.D. in Economics, University of Rome óLa Sapienzaö)  
Supervisor: Professor G. Cozzi  
Academic year 2002-2003
- External Supervisor of the Ph.D. Thesis of Carmelo Parello on *Protection of Intellectual Property Rights, Innovation, Imitation, Competition and Growth* (Ph.D. in Economics, University of Rome óLa Sapienzaö)  
Supervisor: Professor G. Cozzi  
Academic year 2003-2004
- Invited member of the Thesis Committee of Luca Spinesi on *Institutions, Innovation, and Growth*  
(Ph.D. in Economics, Université catholique de Louvain, Louvain-la-Neuve, Belgium)  
Supervisor: Professor R. Boucekkine  
Thesis Committee: P. Belleflamme (CORE, Louvain-la-Neuve); R. Boucekkine (CORE, Louvain-la-Neuve);  
A. Bucci (University of Milan); G. Cozzi (University of Rome óLa Sapienzaö);  
F. Docquier (IRES, Louvain-la-Neuve)  
Academic year 2006-2007
- Invited member of the Thesis Committee of Antonio Minniti on *Product Market Power, R&D and Growth*  
(Ph.D. in Economics, Université catholique de Louvain, Louvain-la-Neuve, Belgium)  
Supervisor: Professor R. Boucekkine  
Thesis Committee: R. Amir (Arizona State University, USA); R. Boucekkine (CORE, Louvain-la-Neuve);  
A. Bucci (University of Milan); C. d'Aspremont (CORE, Louvain-la-Neuve);  
V.J. Vannetelbosch (CORE, Louvain-la-Neuve)  
Academic year 2006-2007
- Invited member of Marcella Marinelli's Ph.D. Thesis Evaluation Committee on *Innovation and Economic Growth: the Impact of the Difficulty Index on the inter-sectoral Productivity Differences* (Ph.D. in Economics, University of Rome óLa Sapienzaö).  
Supervisor: Professor G. Cozzi

- Thesis Committee: A. Bucci (University of Milan); F. Busato (University of Napoli, *-Parthenope*);  
G. Ciccarone (University of Rome, *-La Sapienza*)  
Academic year 2006-2007
- Invited member of the Ph.D. Thesis Evaluation Committee of the University of Ancona (Ph.D. in Economics).  
Thesis Committee: A. Bucci (University of Milan); F. Fiorillo (University of Ancona);  
G. Rampa (University of Pavia)  
Academic year 2007-2008
  - Invited member of the Ph.D. Thesis Evaluation Committee of the University of Turin (Ph.D. in Economics).  
Thesis Committee: A. Bucci (University of Milan); M. Ferrero (University of East Piedmont);  
R. Golinelli (University of Bologna)  
Academic year 2008-2009
  - Invited member of the Ph.D. Thesis Evaluation Committee of the Catholic University of the Sacred Heart (Ph.D. in Economics, Piacenza).  
Academic year 2010-2011
  - Invited member of the Ph.D. Thesis Evaluation Committee of the University of Pavia (Ph.D. in Economics).  
Academic year 2011-2012
  - Invited member of Ilaria Tedesco's Ph.D. Thesis Evaluation Committee on *Three Essays on Development Macroeconomics* (Ph.D. in Economics, University of Rome *-Tor Vergata*).  
Supervisor: Professor A. Pelloni  
Thesis Committee: A. Bucci (University of Milan); T. Stengos (University of Guelph, Canada);  
G. Trovato (University of Rome *-Tor Vergata*)  
Academic year 2012-2013
  - Invited member of Fabrizio Valentini's Ph.D. Thesis Committee on *Essays on Growth* (Ph.D. in Economics, University of Rome *-Tor Vergata*).  
Supervisor: Professor A. Pelloni  
Thesis Committee: A. Bucci (University of Milan); T. Stengos (University of Guelph, Canada);  
R.J. Waldmann (University of Rome *-Tor Vergata*)  
Academic year 2014-2015
  - Invited member of Alessandra Marcelletti's Ph.D. Thesis Committee on *Essays on Corruption* (Ph.D. in Economics, University of Rome *-Tor Vergata*).  
Supervisor: Professor G. Trovato  
Thesis Committee: A. Bucci (University of Milan); F. Lagona (University of Roma Tre);  
R. Rocci (University of Rome *-Tor Vergata*)  
Academic year 2014-2015
  - Invited member of the Thesis Committee of Anne von Gässler on *Education in Times of Population Ageing* (Ph.D. in Economics, Maastricht University, Maastricht, The Netherlands)  
Thesis Committee: T. Azomahou (University of Maastricht); A. Bucci (University of Milan); K.-J. Koch (University of Siegen); J. Muysken (University of Maastricht)  
Academic year 2015-2016
  - Invited member of the Committee for a position of *Associate Professor of Economics* at the *Department of Economic Theory, Universitat de Barcelona* (Spain)  
Academic year 2016-2017
  - Invited member of Irene Sanchez Arjona's Ph.D. Thesis Committee on *Essays on Financial Networks and Systemic Risk* (Ph.D. in Economics, University of the Sacred Heart, Milan).  
Supervisor: Professor D. Delli Gatti  
Thesis Committee: A. Bucci (University of Milan); A. Palestini (Polytechnic University of Marche);

G. Ricchiuti (University of Florence)  
Academic year 2016-2017 (May 2017)

- Co-supervisor (joint with Xavier Raurich, Universitat de Barcelona) of José Luis Garrido (Ph.D. in Economics, Universitat de Barcelona)
- Thesis supervisor of Spirydon Boikos, Ph.D. holder (University of Milan, DEMM, February 2013)
- Thesis supervisor of Levent Eraydin, Ph.D. holder (University of Milan, DEMM, February 2015)
- Thesis supervisor of Annarita Baldanzi, Ph.D. candidate (University of Milan, DEMM, September 2015)
- Member of the Scientific Committee of the *First Milan Workshop on Dynamics, Optimal Growth and Population Change: Theory and Applications* (Milan, 18<sup>th</sup> and 19<sup>th</sup> September 2008). Scientific Committee: Noël Bonneuil (Ined-Ehess, France); Raouf Boucekkine (Catholic University of Louvain, Belgium); Alberto Bucci (University of Milan, Italy); Christian Ghiglino (University of Essex, UK); Natali Hritonenko (Prairie View A&M University, USA); Cuong Le Van (Université Paris 1, France); Kazuo Nishimura (Kyoto University, Japan); Vladimir Veliov (Vienna University of Technology, Austria); Yuri Yatsenko (Houston Baptist University, USA).
- Member of the Scientific and Organizing Committee of the *XVII<sup>th</sup> annual meeting of the DEGIT (Dynamics, Economic Growth and International Trade) Conference*, Milan, September 13-14, 2012. Other members of the Scientific Committee include: E. Gundlach (GIGA and Hamburg University, Germany), B. Jensen (University of Southern Denmark, Denmark), T. Palokangas (HECER and University of Helsinki, Finland; IIASA, Austria).
- Member of the Scientific Committee of the Conference on *Structural Change, Dynamics, and Economic Growth*, Livorno (Italy), September 12-14, 2013. Other members of the Scientific Committee include: C. Azariadis (Washington University in Saint Louis), R. Boucekkine (Aix-Marseille School of Economics), R. Ngai (London School of Economics), N. Salvadori (University of Pisa).
- Member of the Scientific Committee of the Conference on *Finance and Economic Growth in the Aftermath of the Crisis*, Milan (Italy), 11-13 September, 2017. Scientific Committee: Costas Azariadis (Washington University, St. Louis, USA); Alberto Bucci (University of Milan, Italy); Guido Cozzi (University of St. Gallen, Switzerland); Herbert Dawid (University of Bielefeld, Germany); Domenico Delli Gatti (University of the Sacred Heart, Milan, Italy); Mauro Gallegati (Polytechnic University of Marche); Stefano Neri (Bank of Italy); Alberto Russo (Polytechnic University of Marche).
- Referee for the *Austrian Academy of Sciences (New Frontiers Research Groups Programme)*, field: Demography and Economic Growth (31/01/2014 through 05/11/2014).



**ALBERTO BUCCI**  
**LIST OF PUBLICATIONS AND RESEARCH INTERESTS**  
(April 2017)

**ARTICLES IN REFEREED ACADEMIC JOURNALS**

- 1) **Struttura del Mercato del Credito e Crescita di Lungo Periodo: Una Rassegna dei Principali Contributi** (in Italian). *Il Risparmio*, Vol. XLVI, n. 3 (May-June), 1998, pp. 443-72.
- 2) **On Scale Effects, Market Power and Growth when Human and Technological Capital are Complements.** *International Review of Economics*, 48(1), March 2001, pp. 21-47.
- 3) **Horizontal Innovation, Market Power and Growth.** *International Economic Journal*, 17(1), Spring 2003, pp. 57-82.
- 4) **R&D, Imperfect Competition and Growth with Human Capital Accumulation.** *Scottish Journal of Political Economy*, 50(4), September 2003, pp. 417-39.
- 5) **Can Market Power influence Employment, Wage Inequality and Growth?** (joint with F. Fiorillo and S. Staffolani). *Metroeconomica*, 54(2-3), 2003, pp. 129-60.
- 6) **Crescita e Disuguaglianza nei Redditi a Livello Mondiale** (joint with D. Checchi, in Italian). *Rivista Italiana degli Economisti*, 8(1), 2003, pp. 57-95.
- 7) **Investimento in Sponsorizzazione delle Imprese: Una Analisi Economica in Termini Statici e Dinamici** (joint with M. Castellani and P. Figini, in Italian). *Rivista di Politica Economica*, May-June 2003, n. 5-6, pp. 183-223.
- 8) **Potere di Mercato e Crescita Economica Aggregata nei Modelli con Innovazione Tecnologica Endogena** (in Italian). *Giornale degli Economisti e Annali di Economia*, 62(2), October 2003, pp. 241-91.
- 9) **Dinamica Demografica, Capitale Umano e Crescita Economica: Dalla Teoria all'Evidenza Empirica** (joint with M. Bratti and E. Moretti, in Italian). *Rivista Italiana degli Economisti*, 9(2), 2004, pp. 187-224.
- 10) **Monopoly Power in Human Capital-based Growth.** *Acta Oeconomica*, 55(2), 2005, pp. 121-50.
- 11) **Economic Growth in an Enlarged Europe: the Human Capital and R&D Dimensions.** *Economia Pubblica*, 35(4), 2005, pp. 65-91.
- 12) **An Inverted-U Relationship between Product Market Competition and Growth in an Extended Romerian Model.** *Rivista di Politica Economica*, 95(9-10), September-October 2005, pp.177-205. Special issue on: *Intellectual Property, Competition and Growth* (Ed. by R. Cellini and G. Cozzi).
- 12bis) **An Inverted-U Relationship between Product Market Competition and Growth in an Extended Romerian Model.** Also published in *Central Issues in Contemporary Economic Theory and Policy*, R. Cellini and G. Cozzi (Eds.), Palgrave Macmillan, 2007.
- 13) **Population Growth in a Model of Economic Growth with Human Capital Accumulation and Horizontal R&D.** *Journal of Macroeconomics*, 30(3), 2008, pp. 1124-47.

- 14) **Competition and R&D Investment in Human Capital-driven Growth.** *Politica Economica*, 24(2), 2008, pp. 235-65.
- 15) **Horizontal Innovation-based Growth and Product Market Competition** (joint with C.P. Parello). *Economic Modelling*, 26(1), 2009, pp. 213-21.
- 16) **Population and Economic Growth with Physical and Human Capital Investments** (joint with D. La Torre). *International Review of Economics*, 56(1), 2009, pp. 17-27.
- 17) **Scale Effects, Savings, and Factor Shares in a Human Capital-based Growth Model with Physical Capital Accumulation.** *International Economic Journal*, 2009, 23(3), 2009, pp. 291-307.
- 18) **Transitional Dynamics in the Solow-Swan Model with AK Technology and Logistic Population Change** (joint with L. Guerrini). *The B.E. Journal of Macroeconomics*, Vol. 1, Issue 1, Article 43 (Topics), 2009.
- 19) **Population in Factor Accumulation-based Growth.** *Rivista Italiana degli Economisti*, 15(1), 2010, pp. 33-67.
- 20) **Stochastic Technology Shocks in an Extended Uzawa-Lucas Model: Closed-Form Solution and Long-Run Dynamics** (joint with C. Colapinto, M. Forster and D. La Torre) *Journal of Economics*, 103(1), pp. 83-99, 2011.
- 21) **Parameter Identification, Population and Economic Growth in an Extended Lucas and Uzawa-Type Two Sector Model** (joint with H.E. Kunze and D. La Torre). *Nonlinear Studies*, 18(2), pp. 211-228, 2011.
- 22) **Culture and Human Capital in a Two-Sector Endogenous Growth Model** (joint with G. Segre) *Research in Economics*, 65(4), December 2011, pp. 279-293.
- 23) **Government Spending and Growth in Second-Best Economies** (joint with M. Florio and D. La Torre) *Economic Modelling*, 29(3), May 2012, pp. 654-663.
- 24) **On the Interaction between Public and Private Capital in Economic Growth** (joint with C. Del Bo) *Journal of Economics*, 106(2), June 2012, pp. 133-152.
- 25) **Public Capital, Private Capital, and Economic Growth** *Rivista Internazionale di Scienze Sociali* (RISS), 120(2), April-June 2012, pp. 149-179.
- 26) **Returns to Specialization, Competition, Population, and Growth** *Journal of Economic Dynamics and Control*, 37(10), October 2013, pp. 2023-2040.
- 27) **Non-Monotonicity of Fertility in Human Capital Accumulation and Economic Growth** (joint with S. Boikos and T. Stengos) *Journal of Macroeconomics*, 38 (Part A), December 2013, pp. 44-59.
- 28) Book Review: **Public Capital, Growth and Welfare: Analytical Foundations for Public Policy** (by P.-R. Agénor, Princeton, New Jersey: Princeton University Press, 2013) *Journal of Economics*, 110(3), November 2013, pp. 297-301.
- 29) **Smart Endogenous Growth: Cultural Capital and the Creative Use of Skills** (joint with P.L. Sacco and G. Segre) *International Journal of Manpower*, 35(1-2), May 2014, pp. 33-55.

- 30) **Population, Competition, Innovation and Economic Growth with and without Human Capital Investment**  
*International Review of Economics*, 61(1), April 2014, pp. 61-84.
- 31) **Product Proliferation, Population, and Economic Growth**  
*Journal of Human Capital*, 9(2), Summer 2015, pp. 170-197.
- 32) **Horizontal Differentiation and Economic Growth under Non-CES Aggregate Production Function** (joint with V. Matveenko, NRU-HSE, Saint Petersburg, Russian Federation)  
*Journal of Economics*, 120(1), 2017, pp., 1-29.
- 33) **Population and Economic Growth under Different Growth Engines** (joint with X. Raurich, Universitat de Barcelona, Spain)  
*German Economic Review*, 2017 (forthcoming), DOI: 10.1111/geer.12092.

#### ARTICLES IN COLLECTIVE VOLUMES

- 34) **Market Power, Unemployment, Wage Inequality and Growth** (joint with F. Fiorillo and S. Staffolani). In *Income Distribution, Growth and Employment*, Edited by R. Balducci and S. Staffolani, Series of Labor Economics, n. 10, Naples: ESI, 2002, pp. 97-118.
- 35) **When Romer meets Lucas: On Human Capital, Imperfect Competition and Growth**. In *Old and New Growth Theories: An Assessment*, Edited by N. Salvadori, Cheltenham, UK: Edward Elgar, 2003, pp. 261-85.
- 36) **Offerta di Lavoro e Capitale Umano: l'Effetto di Tasse e Sussidi** (joint with M. Bratti, in Italian). In *Mercato, occupazione e salari: La ricerca sul lavoro in Italia*, Edited by C. Lucifora, Vol. I (Capitale Umano, Occupazione e Disoccupazione), Milan: Mondadori Università, April 2003, pp. 58-83.
- 37) **Offerta di Lavoro e Capitale Umano: Evoluzione Demografica e Invecchiamento** (in Italian). In *Mercato, occupazione e salari: La ricerca sul lavoro in Italia*, Edited by C. Lucifora, Vol. I (Capitale Umano, Occupazione e Disoccupazione), Milan: Mondadori Università, April 2003, pp. 84-124.
- 38) **Demografia, investimento in scolarità e crescita nei PVS** (joint with M. Bratti, in Italian). In *Siamo pochi o siamo troppi? Alcuni aspetti delle relazioni tra evoluzione demografica e sviluppo economico e sociale*, Edited by M. Natale and E. Moretti, Milan: Franco Angeli, 2003, pp. 60-85.
- 39) **Effetti di complementarità, accumulazione di capitale umano e crescita economica: teoria e risultati empirici** (joint with M. Bratti, in Italian). In *Siamo pochi o siamo troppi? Alcuni aspetti delle relazioni tra evoluzione demografica e sviluppo economico e sociale*, Edited by M. Natale and E. Moretti, Milan: Franco Angeli, 2003, pp. 86-110.
- 40) **Human Capital, Product Market Power and Economic Growth**. In *Innovation, Unemployment and Policy in the Theories of Growth and Distribution* (Chapter 1), Edited by R. Balducci and N. Salvadori, Cheltenham, UK: Edward Elgar, 2005, pp. 3-26.
- 41) **Innovation, Patent Lifetime and Economic Growth** (joint with H. Cagri Saglam). In *Economics of Technological Change* (Chapter 2), Edited by Thomas L. Beane, New York: Nova Science Publishers, 2007, pp. 23-38.

- 42) **Crescita Demografica ed Economica in un Modello con Investimento in Capitale Umano e Progresso Tecnico Endogeno** (in Italian). In *Economia del Capitale Umano: Istituzioni, Incentivi e Valutazione*, Edited by A. Petretto and G. Pignataro, Milan: Franco Angeli, 2008, pp. 32-56.
- 43) **Why There Could Be No Link between R&D Investment and Economic Growth?** In *Sviluppo Demografico ed Economico nel Mediterraneo*, Edited by L. Di Comite, F. Galizia and O. Garavello, Bari: Cacucci Editore, 2008, pp. 61-86.
- 44) **The Political Economy of Human and Physical Capital Accumulation in Economic Growth.** In *Political Economy Research Focus* (Chapter 6), Edited by Walter R. Levin, New York: Nova Science Publishers, 2008, pp. 121-34.
- 45) **Embodied Technical Change and Learning-by-Doing in a Two-Sector Growth Model with Human Capital Accumulation** (joint with H. Kunze and D. La Torre). In *Optimal Control of Age-structured Populations in Economy, Demography, and the Environment*, Edited by R. Boucekkine, N. Hritonenko and Y. Yatsenko, London, UK: Routledge, 2011, Chapter 6, pp. 126-39.

#### **SUBMITTED ARTICLES / *Mimeos***

- 46) **Financial Development and Economic Growth: Long Run Equilibrium and Transitional Dynamics** (joint with S. Marsiglio, School of Accounting, Economics and Finance, University of Wollongong, Australia)  
Department of Economics, Management and Quantitative Methods (DEMM, University of Milan) Working Papers Series, WP No. 2016-16.  
*Submitted*
- 47) **On the (Non-Monotonic) Relation between Economic Growth and Finance** (joint with S. Marsiglio, School of Accounting, Economics and Finance, University of Wollongong, Australia, and C. Prettnner, Dept. of Economics, Vienna University of Economics and Business, Austria).  
*Submitted*
- 48) **Specialization vs Competition: An Anatomy of Increasing Returns to Scale** (joint with P. Ushchev, NRU-HSE, Saint Petersburg, Russian Federation).  
*Submitted*
- 49) **Variety, Competition, and Population in Economic Growth: Theory and Empirics** (joint with L. Carbonari, University of Tor Vergata, Rome, and Giovanni Trovato, University of Tor Vergata, Rome)  
Department of Economics, Management and Quantitative Methods (DEMM, University of Milan) Working Papers Series, WP No. 2017-06.  
*Submitted*
- 50) **Children's Health, Human Capital Accumulation and R&D-based Economic Growth** (joint with A. Baldanzi, University of Milan, and K. Prettnner, Vienna University of Technology and University of Hohenheim, Germany)  
Hohenheim Discussion Papers in Business, Economics and Social Sciences, DP No. 01-2017.  
*Submitted*
- 51) **Leisure Externalities and Human Capital Accumulation in an Endogenous R&D-based Growth Model** (joint with S. Boikos, University of Laval, Canada).  
*Mimeo*

- 52) **Dilution Effects, Population Growth and Economic Growth under Human Capital Accumulation and Endogenous Technological Change** (joint with L. Eraydin, Karlsruhe Institute of Technology, and M. Müller, Karlsruhe Institute of Technology).  
*Mimeo*
- 53) **The Spatial Jones and Manuelli's Growth Model** (joint with D. La Torre, University of Milan, D. Liuzzi, University of Ca' Foscari, and S. Marsiglio, University of Wollongong, Australia).  
*Mimeo*
- 54) **On the Relation between the Degree of Financialization and Economic Growth** (joint with D. La Torre, University of Milan, D. Liuzzi, University of Ca' Foscari, and S. Marsiglio, University of Wollongong, Australia).  
*Mimeo*
- 55) **Financial Contagion and Economic Development: An Epidemiological Approach** (joint with D. La Torre, University of Milan, D. Liuzzi, University of Ca' Foscari, and S. Marsiglio, University of Wollongong, Australia).  
*Mimeo*
- 56) **Essays on Human Capital, Technology, Market Power and Growth**  
Université catholique de Louvain - Département des Sciences Économiques  
CIACO, Louvain-la-Neuve, Belgium (n. 398/2002, September 2002).  
*Ph.D. Thesis*
- 57) **Potere di Mercato e Crescita Economica di Lungo Periodo** (in Italian)  
University of Ancona ó Department of Economics (February 1999).  
*Ph.D. Thesis*  
*This thesis has been mentioned by the Italian Economic Association (SIE) as one of the best five Italian Ph.D. theses in Economics in the academic year 1998/1999 (see Rivista Italiana degli Economisti, n. 1, year 2000).*

## RESEARCH INTERESTS

- É Economic growth and *mark-ups*
- É *Dilution effects* in economic growth models with exogenous and endogenous fertility choices
- É R&D and innovation-based economic growth
- É Culture in models of economic growth (one and two-sectors growth models)
- É Government expenditure, public capital, private capital, and economic growth
- É Returns to specialization, population, and product market competition in endogenous R&D-based economic growth models
- É Finance and Economic Growth
- É Health, Human Capital and Economic Growth
- É Monopolistic Competition models (in static and dynamic environments)
- É Spatial economic growth models.