Dr. Martín Lozano – Curriculum Vitae – July 2020

CONTACT DETAILS AND WEB PRESENCE

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Web http://sites.google.com/site/mlozanoqf/
GitHub https://github.com/mlozanoqf
YouTube http://www.youtube.com/user/drmartinlozano
Social Science Research Network http://ssrn.com/AuthorID=1490785
Google Scholar http://scholar.google.com.mx/citations?user=w8boOboAAAAJ

AREAS OF EXPERTISE

Finance, Economics, Statistics, Data Science.

ACADEMIC DEGREES: PHD AND POSTDOC

1. Post-doctoral position in Finance (research fellow) 2012. Manchester Business School. United Kingdom.
2. PhD in Quantitative Finance 2010. University of the Basque Country. Spain.
3. *Doctor Europeus* mention 2009. Supporting external reports from: Prof. Stuart Hyde (Manchester Business School); Dr. Angélica González (University of Edinburgh); Prof. Richard Stehle (Humboldt University); Dr. Andreas Schrimpf (Aarhus University); Prof. Leopold Sögner (University of Vienna); Dr. Valerio Potì (Dublin City University); Prof. Marcelo Fernandes (Queen Mary, University of London); Prof. Paul Söderlind (University of St. Gallen).

ACADEMIC DEGREES: POST-GRADUATE

4. Master Degree in Statistical Learning and Data Mining 2019. UNED, Spain.
5. Diploma University Expert in Statistical Learning and Data Mining 2019. UNED, Spain.
6. Diploma University Expert in Statistical Techniques for the Scientific Analysis of Data 2017. UNED, Spain.
7. Master Degree in Modern Applied Statistical Methods 2016. UNED, Spain.
8. Diploma University Expert in Advanced Methods of Applied Statistics 2015. UNED, Spain.
9. Advanced Studies in Quantitative Finance 2006. Universidad Complutense de Madrid. Spain.
10. MSc Finance 2002. EGADE Business School. México.

ACADEMIC DEGREES: UNDERGRADUATE

11. BS Economics 1997. Tecnológico de Monterrey, Campus Monterrey. México.

CERTIFICATIONS IN R

DataCamp Courses (39): Introduction to `R`; Introduction to Importing Data in `R`; Introduction to `R` for Finance; Introduction to Writing Functions in `R`; Importing and Managing Financial Data in `R`; Intermediate `R` for Finance; Data Science for Everyone; Foundations of Probability in `R`; Time Series Analysis in `R`; Introduction to the Tidyverse; Credit Risk Modeling in `R`; Manipulating Time Series Data with `xts` and `zoo` in `R`; Intermediate `R`; Data Manipulation with `dplyr`; Joining Data with `dplyr`; Introduction to Data Visualization with `ggplot2`; Intermediate Data Visualization with `ggplot2`; Intermediate Importing Data in `R`; Data Cleaning in `R`; Working with Data in the Tidyverse; Working with Dates and Times in `R`; Exploratory Data Analysis in `R`; Case Study Exploratory Data Analysis in `R`; Correlation and Regression in `R`; Supervised Learning in `R` Classification; Supervised Learning in `R`: Regression; Unsupervised Learning in `R`; Cluster Analysis in `R`; Machine Learning with `caret` in `R`; Data Engineering for Everyone; ARIMA Models in `R`; Forecasting in `R`; Visualizing Time Series Data in `R`; Case Studies: Manipulating Time Series Data in `R`; Introduction to Portfolio Analysis in `R`; Intermediate Portfolio Analysis in `R`; Bond Valuation and Analysis in `R`; Quantitative Risk Management in `R`; Financial Trading in `R`.

DataCamp Skill Tracks (5): Importing & Cleaning Data with `R` (4 courses); Finance Basics with `R` (4 courses); Machine Learning Fundamentals in `R` (4 courses); Time Series with `R` (6 courses); Finance Fundamentals in `R` Track (6 courses).

DataCamp Career Tracks (2): Data Scientist with `R` (19 courses); Quantitative Analyst with `R` (15 courses).

FACULTY TRAINING AND OTHERS

Faculty training: Universidad de Monterrey 2015 – 2016. University of Liverpool's Management School 2015. University of Roehampton, London Online 2015. Training on teaching techniques: Problem based learning (PBL), project-oriented learning (POL), collaborative learning, case-based method, Tecnológico de Monterrey, Campus Monterrey. México 1999 – 2002. Ethics across the curriculum, Loyola University Chicago.

Others. RISIS (Research Infrastructure for Science and Innovation Policy Studies). Summer School on Data Science for Studying Science, Technology and Innovation 2019. Strathclyde Business School. Glasgow, United Kingdom. Proyectos de Inversión en Bienes Inmobiliarios. 2019. Riskmathics. Course on Panel Data Analysis 2007. Instituto de Estudios Fiscales. Spain. Diploma in Economic and Financial Analysis 1998. Asociación Mexicana de Intermediarios Bursátiles, A. C.

RESEARCH

Research interests: Empirical Asset Pricing; Beta and SDF Pricing Models and Tests; Financial Econometrics; GMM Estimation and Inference; Portfolio Allocation Models and Performance; Computational Finance; Data Science applications in Business.

Computer skills: R, Octave, MATLAB, Weka, GGobi, E-Views, Stata, Gretl, SPSS, others. LaTeX editors and related systems such as Scientific WorkPlace, MiKTEX, WinEdt. Databases such as: COMPUSTAT, CRSP, DATASTREAM, Thomson Financial, Wharton Research Data Services.

Research positions:

1. Post-doctoral research fellow 2010 – 2012. Manchester Business School. Centre for the Analysis of Investment Risk.
2. Pre-doctoral Marie Curie research fellow 2007 – 2008. The University of Manchester. Supported by the Sixth European Community Framework Programme.
3. Research assistant 2006 – 2007. Instituto Complutense de Estudios Internacionales (ICEI). Collaborate on European research projects in areas such as innovation and technology policy using microdata.
4. Visiting PhD scholar 2005 – 2006. Universidad Complutense de Madrid, University Carlos III of Madrid.

Publications:

1. *Portfolio performance of linear SDF models: An out-of-sample assessment*. With Erwin Hansen and Massimo Guidolin. **Quantitative Finance**.[1] Vol. 18, No. 8, 1425–1436, 2018. http://dx.doi.org/10.1080/14697688.2018.1429646.
2. *Evaluating alternative methods for testing asset pricing models with historical data*. With Gonzalo Rubio. **Journal of Empirical Finance**,[2] Volume 18, Issue 1, January 2011, Pages 136–146. 8 citations. http://dx.doi.org/10.1016/j.jempfin.2010.05.005
3. *Financial crisis: imbalances, irrationality and regulation*. Editorial for **Advances in Management**. February 2012. http://ssrn.com/abstract=1965011 Listed on SSRN's top ten download list: Resource Financing Strategies: as of 12/11/2011.
4. Research assistance for: *Dividend Growth, Cash Flow and Discount Rate News*. Ian Garrett and Richard Priestley. **Journal of Financial and Quantitative Analysis**,[3] Vol. 47, No. 5, Oct. 2012, pp. 1003–1028. http://dx.doi.org/10.1017/S0022109012000427
5. Proceedings: *The efficiency of the SDF and Beta methods at evaluating multi-factor asset-pricing models*. With Stuart Hyde and Ian Garrett. **Southwestern Finance Association 48th Annual Meeting Proceedings**; Oklahoma City, USA. 2009.

Media:

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[1] Economics, Econometrics and Finance: Q1; Finance: Q2. SCImago journal rank indicator 2017.
[2] Economics and Econometrics: Q2; Finance: Q1. SCImago journal rank indicator 2017.
[3] Accounting: Q1; Economics and Econometrics: Q1; Finance: Q1. SCImago journal rank indicator 2017.

6. *La industria del acero.* Suplemento Grupo Milenio. June 2016.

Working papers:

1. *Multifactor Empirical Asset Pricing Under Higher-Order Moment Variations*. 2020. With Massimo Guidolin, and Juan Arismendi Zambrano.
2. *Performance of asset allocation strategies in Europe: An out-of-sample assessment*. 2014. With Francisco Navarro. http://ssrn.com/abstract=2474542
3. *Portfolio choice in the presence of estimation error: A pricing model filter approach.* 2014. http://ssrn.com/abstract=2476321
4. *Trade-offs between efficiency and robustness in the empirical evaluation of asset pricing models*. 2011. With Stuart Hyde and Ian Garrett. http://papers.ssrn.com/abstract=1754743 Listed on SSRN's top ten download list: Econometric & Statistical Methods, and Applied Econometric Modelling in Financial Economics: October 7, 2011 to December 6, 2011. 2 citations.
5. *Econometrics of asset pricing: methodological review and empirical exercise*. 2009. http://papers.ssrn.com/abstract=1754762

Work in progress:

1. *Disentangling competitiveness patterns in Mexican microenterprises*.
2. *Improving investment strategies performance: The sort and split approach*.
3. *Intertemporal optimal demands for bonds and industry portfolios*. With Pedro Faria.
4. *Portfolio theory and mental accounts*. With Boris Castro.

INTERNATIONAL CONFERENCES AND RESEARCH SEMINARS

International conferences (presenter and discussant): Econometric Society's World Congress 2020, Bocconi University (08/2020); Frontiers of Factor Investing, Lancaster University, UK, 2nd – 3rd April 2020; European Financial Management Association, Milan Italy (01/2018); 1st Conference on Recent Developments in Financial Econometrics and Applications (two working papers presented), Deakin University Australia (12/2014); Eastern Finance Association Annual Meeting, Washington (05/2009); Southwestern Finance Association 48th Annual Meeting, Oklahoma (02/2009); Midwest Finance Association; XVI and XV Spanish Association of Finance Forum, Barcelona and Palma de Mallorca (11/2008, 11/2007). Accepted for presentation, but not presented: ECOFI Symposium in Economics and Finance 2009; Asian Finance Association 2009 Conference; ECOFI Symposium in Statistics and Econometrics 2009; Royal Economic Society Conference 2009; and the 2008 National Taiwan University International Conference on Finance.

Research seminars (presenter): University of Liverpool Management School Seminar Series (Liverpool, November 2019), UCD Seminar Series (Dublin, December 2019); Instituto de Contadores Públicos de Nuevo León ICPNL (07/2017); Universidad de Monterrey (06/2017); Universitat de Barcelona Riskcenter (09/2012); Stockholm University School of Business (09/2011); Lancaster University Management School (07/2011); Universidad de Castilla-La Mancha (08/2008);

Manchester Business School (05/2008); University Carlos III of Madrid (04/2008); Universidad de Navarra (03/2008); Universitat de les Illes Balears (02/2008); University of the Basque Country; Instituto Complutense de Análisis Económico (07/2007); Universitat de Valencia (05/2006).

Grants, funding and awards: Member of the Sistema de Expertos de Educación Ejecutiva del Tecnológico de Monterrey (2015–). Independent expert for the European Commission; Listed on SSRN's top ten download list (2011); European Community Framework Programme Marie Curie fellowship (2007 – 2008); Basque Government mobility grant (2007); University of the Basque Country doctoral fellowship (2005 – 2006 and 2006 – 2007); BBVA Foundation doctoral fellowship (2004 – 2005); EGADE Business School MSc fellowship (2000 – 2002).

POSTGRADUATE TEACHING (UK AND MÉXICO)

SOAS University of London, Department of Financial and Management Studies (postgraduate): Finance and Risk Management in the Global Economy (summer school 2020, as Director of Financial Modelling with R); Banking & Capital Markets (2016, 2018, 2019); Econometric Analysis & Applications (2016 – 2019); Risk Management: Principles & Applications (2012, 2014 – 2017, 2019); Econometric Principles & Data Analysis (2012 – 2015, 2017, 2019); Derivatives (2015 – 2016); Risk Management in the Global Economy – MOOC FutureLearn platform (2016); Independent Study Project (2019); Financial Econometrics (2019).

Universidad de Monterrey: Financial Project Evaluation (2015).

Tecnológico de Monterrey: Fundamentals of Managerial Finance (2008); Managerial Economics (2009); Economics for Decision Taking (2010); Economic Environment (2009); Economics of the Firm (2005).

Manchester Business School, Manchester Accounting and Finance Group (Finance PhD): Three sessions of Advanced Finance Research Seminar I (2011 – 2012).

Alliance Manchester Business School. Individual Projects 2010-2011 and 2014-15. Research Methods 2011-2012. Group Project 2013-2014. Global MBA Project 2014-15 and 2015-16. Live Business Project 2018 GMBA.

University of Liverpool, Management School: Economics of Oil, Gas & Energy (2015).

UNDERGRADUATE TEACHING (UK AND MÉXICO)

Universidad de Monterrey (In English, with applications in R): Topics in Finance (2015 – 2019); Econometrics for Financial Markets (2016 – 2020); Financial Engineering (2016 – 2020); Financial Project Evaluation (2015); Financial Structure and Cost of Capital (2015, 2017); Financial Risk Management (2015 – 2020); Financial Project Evaluation (2015).

Tecnológico de Monterrey (Most of them in English): Economics for International Business (2014, 2018, 2019); Competitive Intelligence and Geo-economics (2013 – 2019); Innovation Project on

Regional Businesses (2015 – 2019); FDI and Country Risk (2015); Firm Economics (2015, 2018, 2019); Microeconomics (2015); Macroeconomics (2014, 2019); Financial Sources (2012, 2013); Financial Engineering (2003, 2004, 2012, 2013); Project and Firm Valuation (2011); Investments; Risk Evaluation in Financial Markets (2002 – 2004); Foreign Investment (2002 – 2004); Financial Economics (2002 – 2004); Financial Derivatives (2002 – 2004); Statistics (2002); International Finance (1999 – 2002); Econometrics (TA 1997); Microeconomic Theory (TA 1995 – 1998).

The University of Manchester, Economics Department: Business Economics I (2011 – 2012); Business Economics II (2011 – 2012).

Universidad Autónoma de Nuevo León: Economic Development (2001).

EXECUTIVE TRAINING AND OTHERS

Executive training, continuing education, and management training: Finance for non-financiers (online and face-to-face formats 2012 – 2017, 2019); Mexican fiscal reform 2014; entrepreneurial seminar 2014; corporate training in finance for enterprises such as Kimberly-Clark (2013), Stoneridge (2013), Magna (2014, 2017), COPARMEX (2014), and Linamar (2015, 10 groups).

DESIGN COURSE ASSESSMENT MATERIAL

University of London, School of Oriental and African Studies. MSc in Quantitative Finance and MSc in Economic Policy:

1. Derivatives (2015 – 2020).
2. Financial Engineering (2019, 2020).
3. Banking and Capital Markets (2019, 2020).

DOCTORAL SUPERVISION (2)

1. In progress: *Asset pricing applications for asset allocation decisions.* Guzmán Hernández Hernández. 2014 –. Universidad Complutense de Madrid. PhD in Quantitative Finance and Banking.
2. Finished: *An economic evaluation of linear SDF models: An out-of-sample assessment*. Erwin Hansen (currently professor at the University of Chile). 2012. The University of Manchester. PhD Finance (co-supervision).

MSC SUPERVISION (26)

London School of Business & Finance. MSc Finance & Risk Management (co-supervision).

1. *Asset pricing anomalies and stock return predictability: How relevant are they for the Swiss Stock market?* Julian Mittmann. 2012.

University of London, School of Oriental and African Studies. MSc in Quantitative Finance and MSc in Economic Policy: (7 dissertations since 2012)

2. *Predicting sector volatility with GARCH models and artificial neural networks.* Curtis Nybo. 2020. MSc in Quantitative Finance.
3. *Determinants of the UK current account: a NARDL approach*. Laura Thomson. MSc in Quantitative Finance. 2019. MSc Finance (Economic Policy).
4. *Determinants of investor choice among collective investment schemes: The South African context re-examined*. Inthiran Moodley. 2019. MSc in Quantitative Finance.
5. *Financial Regulation and Market Liquidity in the US: A Literature Review and Empirical Approach*. Edward Price. 2017. MSc Finance (Economic Policy).
6. *Incorporating conditional variance methods into internal models used to calculate regulatory capital requirements for market risk under Basel regulations*. Thomas Zellerer. 2016. MSc in Quantitative Finance.
7. *Is the Irish property market contagious or simply interdependent?* Norah Daly. 2015. MSc in Quantitative Finance.
8. *British business in El Salvador*. Zoë Rowland Smith. 2012. MSc in Economic Policy.

The University of Manchester. MSc Finance: (10 dissertations since 2011)

9. *Short-run investment advice and portfolio performance during economic cycles*. Yu Wang. 2012.
10. *Empirical evidence of the behaviour of stock volatility with real economic changes – A mean variance frontier perspective*. Linda Anna John. 2012.
11. *An exploration about risk diversification possibilities in the U.S*. Kush Arora. 2012.
12. *The role of return predictability in the accuracy of short-run investor advice*. Alexey Dorokhov. 2012.
13. *Industry dynamics and the momentum anomaly*. Jr-Wei, Kao. 2011.
14. *Food industry performance over business cycle on the US market*. Lin Wen. 2011.
15. *Advice to global investors about international portfolio diversification*. Meili Jiang. 2011.
16. *Testing the generalized method of moments (GMM) with US industries*. Mohammed Ali. 2011.
17. *Explaining the industry-based momentum anomaly in the US market – The role of momentum factor and autocorrelation*. Yu Zhang. 2011.
18. *The role of business cycles in the determination of industry portfolios in the US*. Jingsi Shen. 2011.

Universidad Complutense de Madrid. MSc in Quantitative Finance and Banking: (8 dissertations since 2012)

19. *Exploration of properties of the implicit stochastic discount factor*. Marc Pallarés García. 2017.
20. *The role of copulas in the characterization of counterparty credit risk*. Norma Angélica Bautista Luna. 2017.

21. *Mean-variance asset allocation revisited*. David Tarin Bernad. 2017.
22. *Out-of-sample performance of investment strategies: A dynamic evaluation*. Guzmán Hernández Hernández. 2014.
23. *Out-of-sample performance of mean-variance strategies: Is active portfolio management worth the effort in Europe?* Francisco J. Navarro Sánchez. 2013.
24. *Intertemporal optimal demands for bonds and industry portfolios*. Pedro Antonio da Silva Faria. 2013.
25. *Aplicación empírica de las medidas mentales y carteras eficientes*. Boris Castro Guevara. 2012.
26. *Evolución temporal de la frontera media-varianza y su relación con la economía real*. Ana María Rivera Serrano. 2012.

MBA SUPERVISION (17)

The University of Manchester. Full-Time MBA:

1. Not for Profit MBA Project. Jorge Alvarez, Adriana Castellares, Kelly Higgins, Niyati Jhalaria, Siamnat Panassorn. (2012). The University of Manchester. Full-Time MBA.

The University of Manchester. Global MBA: (16 dissertations since 2012)

2. *Financial evaluation: A new treatment for acute myeloid leukemia patients*. Jie Zhang, Jie Fang, Yanfei Pan, Jufang Qian, Yiqing Guan, Xinshu Xu. 2018.
3. *Funding Models for Marginal Oil Fields (MOFs) Oil Exploration and Production in Nigeria: Case Study of the Umusadege Cluster Tigers*. Harrison Ibagere. 2016.
4. *Financial institutions before and after the 2008 global financial crisis*. Viktoriia Glazneva, Bukola Majekodunmi, Nigel Aldcroft, Venugopal Boravellyayyanna, Lynette C. Musonda. 2016.
5. *A demand-side assessment of Dubai M/SME finance needs and the creation of a risk mitigation tool to improve funding access*. Toni Arndell, Alex Carter, Martin JV Hughes, Eric Leung, Bradley Manser, Derek Sington. 2015.
6. *Post-IPO performance of listed companies in Singapore – Short run and long run*. Hnin Yi Thet. 2014.
7. *A response to the credit challenges confronting SMEs in Australia's post-GFC climate of inflated property prices*. Francesco Ceravolo. 2013.
8. *An analysis of the adequacy of the risk management structure and practices in the Bank of Nova Scotia Jamaica Limited*. Frederick Green. 2013.
9. *Instruments in managing cross border M&A cost and their applications in Chinese outbound transactions*. Yang An. 2013.
10. *Study of efficiency of the Nigerian capital market and the implications for investors*. Ameen Akeem Alaba. 2012.
11. The *Jamaica Debt Exchange – How has the JDX affected financial institutions and pension funds?* Carla Neisha Thomas. 2012.

12. *Transforming BG – Strategy formulation and implementation in the context of a family business*. Fazly Muhammed Faleedeen. 2012.
13. *Challenges faced by the investment entities in the Gulf Cooperation Council (GCC) in the recent financial crisis, reasons and the way forward*. Moataz Bellah Abd Elbaset Hegab. 2012.
14. *Islamic finance – The concealed resilient architecture*. Mohamed El Ashmawy. 2012.
15. *An evaluation of Chinese companies listed on the Singapore Stock Exchange*. Stephen Chiew Hung Tan. 2012.
16. *The causal factors of commercial bank distress in Nigeria*. Emmanuel Duru. 2012.
17. *The Nigerian banks recapitalization: Impacts on the value creation and risks*. Ojekunle Ibrahim Olakunle. 2012.

UNDERGRADUATE SUPERVISION UDEM (26)

1. Guillermo Maldonado Villanueva, Mariana Guadalupe Gauna Escalera, Daniela Villarreal Amparán, Katya Villarreal Elizondo.
2. Carolina Mata Degollado, Alan Estrada Sáenz, Andrea García Puentes, Bárbara De la Garza Aguiñaga. 2020.
3. María Fernanda Alanís Adame, Ana Daniella Martínez Medina, Mauro Lozano Trujillo. 2020.
4. Javier Cázares Salinas, Regina Marmolejo Torres. 2020.
5. *Credit risk*. Paola Alejandra Arizpe Flores, Pamela Alejandra Salinas Delgado, Adrián Delgadillo Miranda, José Marcelo Rosiles Cortés. 2020.
6. *Text mining and finance applications*. Aurelio Herrera Alonso, Juan Antonio Chapa Guzmán, Paulina Sarahí González Martínez, David Alejandro Almaguer Galván. 2020.
7. *Estrategias de inversión automatizadas basadas en violaciones de la paridad put-call*. Marijose Morales Lozano, María Fernanda González Espinoza, Florencia Ferado Calleros, Esteban Daniel Cauich Montes. 2020.
8. *Do irrational investment decisions create value? A tale of 101 artificially created investors.* Andrea Madero Acuña, Franklin R. Garza Tuñón, Daniela Valdez Rodríguez, Valeria Martínez Zambrano. 2019.
9. *How trustworthy are robo-advisors to take financial investment decisions?* María Laura Ruiz Peinado, Ana Victoria Garza Montemayor, Ana Fernanda Marroquín Leal, Jorge Alejandro Deux Guerra Saldívar. 2019.
10. *A big data approach for non-standardized weather derivatives in the context of insurtech for the Mexican agricultural sector.* Melissa Cavazos De la Rosa, Mariana Yépiz Ojeda, Verónica Daniela Briones Reyes, Sara Isabel Torre Bores. 2019.
11. *Sistema de control interno para empresas del sector inmobiliario en México en el contexto de la Ley Federal para la Prevención e Identificación de Operaciones con Recursos de Procedencia Ilícita.* Estefanía Huerta Ocañas, Maximiliano Nienow González, Alejandro Emmanuel Garza Gauna. 2019.

12. *Determinants of attraction In Mexico's foreign direct investment and their capacity to generate economic growth: The case of profit reinvestment.* Osvaldo Delgado, Héctor Valdés Ramones, Jorge Armando Espinal Landaverde, André González. 2019.
13. *Characteristics of the company and macroeconomic variables as determinants of the financial ratios and multiples of Mexican public companies: Implications for the improvement of the fundamental analysis.* Marcela Cristina Beltrán Díaz, Juan Uriel Sarmiento Cordero, Marco Antonio Muhlia Sánchez, Marco Alejandro Rodríguez Torres. 2019.
14. *Applying finance and statistics to explain and unveil the poverty determinants in Mexican municipalities.* Hugo Arnoldo Oliva Castillo, Lucía del Carmen Chávez De la Garza, Javier Eugenio Garza Martínez, Kalhid Marcelo García Adam. 2018.
15. *Portfolios of individual stocks versus portfolios of investment strategies: a machine learning approach.* Priscila Judith Huerta Sánchez, Katia Gómez Sagui, Martín Murillo Varona, Oscar David Elizondo Espinosa. 2018.
16. *Cross-country determinants of corruption and implications for economic policy.* Ana Sofía Villarreal Reyes, Mariana Flores, Ignacio Sánchez Paoli, Mauricio Rumbaut Canales. 2018.
17. *A proposal for a credit risk metric for private firms.* Kareeme Yuvisela Dávila Cisneros, Melissa Montserrat Copado López, Marco Antonio Infante Rodríguez, Juan Pablo Barradas. 2018.
18. *Introducing the weighted forward-looking volatility index: construction and empirical application*. Patricia Perches Carrillo, Liliana Juárez González, Elena Gaitán Álvarez, Iris Giovanna Masante Muñiz. 2017.
19. *An innovative credit risk estimation: implications for the credit risk rating market*. Regina Marcela Marta Varela, María Fernanda Herrera Quiroga, Marcelo Adrián Pérez Ayala, Juan Pablo González Martínez. 2017.
20. *Contraste de anomalías en el mercado mexicano: Implicaciones para el inversionista.* Daniela Castillo Gutiérrez, María Begoña Domínguez Ortega, Sonia María Leal Cárcamo, Mariana Itzel De la Rosa Reyes. 2017. Presented at: 1er. Coloquio de Jóvenes Investigadores: Gestión de la Innovación para el Desarrollo Sostenible de los Negocios 2017.
21. *Competitiveness patterns in Mexican microenterprises: Implications for credit risk models*. Itziar Olóriz De la Garza, Armando Víctor González Valdés, Jorge Edgardo Sánchez Garza, Pedro Cedillo Martínez. 2017.
22. *Impact on the US monetary policy on Mexican investment strategies*. Karen Beatriz Montoya Ortiz, Iris Aide Salinas Martínez, Elías Castro Flores, José Valero. 2016.
23. *Realized performance of investment preferences: The case of home bias puzzle conditioned on exchange rate volatility*. Magaly Carolina Pérez Martínez, Alejandra García Villarreal, Alejandra Prezas Martínez, Christopher Ledezma González. 2016.
24. Tutor for the honors program in leadership. Magaly Carolina Pérez Martínez. 2016.
25. *Trends and analysis of the incorporation of the peer-to-peer markets in the economic sectors of México*. Gabriela Romeroll Angulo, Cynthia Alejandra De la Vega Oates, Dulce María Pérez Acosta, Marco Antonio Hernández Díaz. 2016.

26. *Performance evaluation of investment strategies based on automated technical analysis algorithms*. Carlos Andrés Gutiérrez Mendivil, Danya Cecilia Martínez Ramírez, Paulina Torres Treviño, Ana María Barrera Portillo. 2016.

SERVICE TO THE ACADEMIA

Reviewer: Universal Journal of Industrial and Business Management (since 2015); Quarterly Review of Economics and Finance (since 2011); African Journal of Marketing Management (since 2010); Journal of Banking and Finance (since 2010).

Editor: Associate Editor Journal of Accounting, Finance and Economics (since 2014); Munich Paper of RePEc Archive MPRA (2010, 2011); Advances in Management (since 2011).

Scientific and academic committees: Examiner for MScs and PG Diplomas in Financial and Management Studies University of London International Programmes (2012, 2015, 2016). Examination panel of biannual Finance PhD reviews Manchester Business School (06/2011 and 06/2012). Eastern Finance Association (2009, 2010 and 2012); Midwest Finance Association (2009 and 2010); Southwestern Finance Association (Annual Meetings: 48th and 49th).

Activities at Universidad de Monterrey: Professor of Finance (2015 –) Department of Accounting and Finance. Member of the research committee CIDINE (2015 –). President of the academia of finance (2016 – 2019). Finalist "Ser Sobresaliente 2016" award. Claustro universitario X (2017 – 2018).

OTHERS

Academic coordinator: Responsible for the delivery, maintenance and development of finance and accounting undergraduate courses. Universidad Virtual, Tecnológico de Monterrey. 2002 – 2004.

Academic senator member: Planning and evaluation of the academic programs. Universidad Virtual, Tecnológico de Monterrey. 2003.

Wharton Global Consulting Practicum consultant: Develop the business plan for a Mexican company in the beverage industry to enter into the US market. EGADE Business School, and the Wharton School of the University of Pennsylvania. 2001 – 2002.

Associations: The American Finance Association, Asociación de Profesores del ITESM, A.C., Mexican talent network UK.