

Curriculum Vitae di Riccardo Scarpa

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Sunto biografico

Riccardo Scarpa è un economista applicato con un ampio portafoglio di ricerca interdisciplinare. La sua ricerca si focalizza su temi di microeconometria su dati da indagini campionarie con applicazioni sulla regolamentazione di interventi pubblici, specialmente nei campi ambientale, dei sistemi rurali, scelte alimentari, acqua, sviluppo economico e conservazione delle risorse naturali. Scarpa è co-autore di più di 180 articoli scientifici pubblicati in riviste accademiche con referiaggio ed il suo attuale indice di Hirsh (*H-index*) in Scopus è di 49 (con oltre 8600 citazioni Scopus in oltre 5500 articoli), di cui oltre 4500 citazioni in riviste di Scienze Economiche (*H-index* di 36). Secondo [REPEC](#) è stato classificato nel più alto percentile durante tutti gli ultimi 10 anni per numero di citazioni; ed è stato al 3^{zo} percentile in termini di rango medio. Ha ricoperto posizioni accademiche in Italia, in Cile, negli U.K., in Irlanda del Nord, in Nuova Zelanda ed in Australia. Ha inoltre una estesa e distinta esperienza come consulente avendo fornito servizi a varie agenzie governative specialmente nel campo della regolamentazione dei servizi pubblici. Il prof. Scarpa ha svolto compiti editoriali per diverse riviste scientifiche in economia, e quello di reviewer per oltre 100 riviste accademiche internazionali. E' stato membro di diverse commissioni per la selezione e la promozione di accademici, incluso quello di Abilitazione Nazionale in Italia (2013), e nel programma Serra Hunter in Spagna (2021), oltre che essere stato valutatore per le proposte di ricerca e finanziamento in numerose agenzie di ricerca internazionali.

Titoli d'istruzione conseguiti

Ph.D. granted in December 1999 by the University of Wisconsin-Madison, United States of America;

M.A. granted in May 1995 by the University of Wisconsin-Madison, United States of America;

M.Sc. granted in May 1992 by the University College of Wales, Aberystwyth, Wales, United Kingdom;

Laurea in Scienze Agrarie conseguita nel dicembre 1988 all'Università della Tuscia, Viterbo.

Servizio militare e cariche politiche

Congedato dal 9th Battaglione 'Col Moschin' ([link here](#)), Livorno. Servizio di leva dal Settembre 1981 all'Agosto 1982;

Consigliere Comunale, Municipio di Grottaferrata, Maggio 1988 – Aprile 1992;

Assessore alla pubblica istruzione, servizi sociali and Sport, Grottaferrata, Italy, Ottobre 1990 – Marzo 1992.

Posizioni Passate

Università della Tuscia, Viterbo, Italy 1990–2000 (Ricercatore Universitario di RUolo)

Newcastle University, Newcastle upon Tyne, U.K. 1/4/1998–30/9/2001 (Lecturer in Agricultural Economics)

York University, York, U.K. 1/10/2001–30/11/2005 (Lecturer and senior lecturer)

University of Waikato, Hamilton, New Zealand, 2005–2012 (Full-time Professor)

University of Technology Sydney, New South Wales, Australia, 2010–2012 (Part-time Research Professor)

Queens University Belfast, Northern Ireland, 4/1/2012–31/12/2014 (Endowed Gibson Chair in Rural and Environmental Economics)

Posizioni accademiche esterne (Visiting & Adjunct)

Otto Mønsted Visiting Professor, Copenhagen School of Energy Infrastructure (CSEI), Copenhagen Business School, Denmark, June–September 2022

Visiting Professor, University of Canberra, Centre for applied ecology, Australian Capital Territory, Canberra, Australia, August 2013

Adjunct Professor, Center for the Study of Choice, Faculty of Business, University of Technology, Sydney, New South Wales, Australia, January 2009 to 2013

Visiting Professor, University of Trento, Italy, July–September 2008, October 2010

Visiting Professor, University of Padua, Italy, October 2008–January 2009

Visiting Professor, University of Bologna, Italy, June 2008, June 2009

Visiting Professor, Catholic University of Santiago, Chile, February 2004, March 2006.

Adjunct Professor, University of Western Australia, Perth, Western Australia, January 2009, December 2012.

Adjunct Professor, Charles Darwin University, Darwin, Northern Territories, Australia, January 2008, December 2011.

Riconoscimenti

2020 Otto Mønsted Visiting Professorship (competitive selection), Copenhagen Business School, Denmark;

2010 Recipient of the Dean's Award for Research Achievement, Waikato Management School;

2010 Elsevier award for co-authoring one of the top-10 most cited research papers in JEEM in the period 2005–2009;

2009 Distinguished academic visitor competitive award, University of Trento;

2008 Distinguished visiting economist competitive award, University of Padua, (Funded by Cassa Marca-Treviso);

1993 Senator Fulbright graduate student award, Fulbright Commission.

Supervisione Studenti di dottorato

Titolo completato

1. Ph.D. Catherine Glass (joint supervision-external with Prof. W.G. Hutchinson: Using CVM to value multi-programme Pig welfare Public Agenda). Completed in 2002.
2. Ph.D. Diane Burgess (joint supervision-external with Prof. W.G. Hutchinson: Modelling stated responses to estimate the social value of farm animal welfare). Completed in 2003, currently Principal Agricultural Economist at Agri-food and Biosciences Institute, Belfast, U.K. ([link](#))
3. Ph.D. Eric Ruto (Developing and testing valuation methods for Animal Genetic Resources). Completed in 2004 at University of Newcastle Upon Tyne. Currently Senior Lecturer in Economics, Lincoln International Business School, Lincoln, U.K. ([link](#))
4. Ph.D. Silvia Ferrini, (Design issues in choice modeling), Completed in 2004 at University of Florence, Lecturer in Economics, at Univ. of Siena, Italy. ([link](#))
5. Ph.D. Giuseppe Nocella (web-based surveys to value animal welfare in EU consumers with an application of the theory of planned behaviour). Completed in 2006 at University of Newcastle Upon Tyne. Currently Associate Professor in Consumer Science at the University of Reading, Department of Consumer Science, U.K. ([link](#))
6. Ph.D. Graziano Ceddia, (Risk in agricultural production and the environment). Completed in 2005 at University of York, currently Associate Professor at the Centre for Development and the Environment, University of Bern, Switzerland. ([link](#))
7. Ph.D. Danny Campbell, joint supervision-external with main supervisor George Hutchinson (Using choice experiment to value scenic beauty in rural landscapes). Completed in 2006 at Queens University-Belfast. Currently Professor, Sterling Management school, University of Sterling, U.K. ([link](#))
8. Ph.D. Jan C. Minx, (Demand and lifestyle: a physical input-output approach). Completed in 2006 at University of York, Professor for Science Policy and Sustainable Development at the Hertie School of Governance, Germany. ([link](#))
9. Ph.D. Nesha Beharry, (Non market valuation of Water Quality in Tobago). Completed in 2007 at University of York, UNEP officer at Trinidad and Tobago.
10. Ph.D. Gianluca Stefani, (Auction mechanisms to value WTP for typical animal products). Completed in 2007, Associate Prof. in Agricultural Economics, University of Florence, Italy. ([link](#))
11. Ph.D. Nicola Cantore, (Some uses of climate change integrated assessment models: a policy and technology analysis). Completed in 2008 at University of York, currently Industrial Development Officer, Policy, Research and Statistics Department, United Nations Industrial Development Organization (UNIDO) Research and policy advice group, Vienna Austria. ([link](#))

12. M.Phil. Fabian Capitanio (Ph.D. from Univ. of Naples), (Risk management through insurance and environmental externalities from agricultural input use: the case of optimal producer behaviour and area-yield crop insurance). Completed in 2009 at University of York, currently Associate Professor, Department of Agricultural Economics and Policy, University of Naples, Italy. ([link](#))
13. Ph.D. Bart Vermeulen, (joint supervision-external with Peter Goos & Martina Vanderbroek, Catholic University of Leuven), (Design issues in choice modeling). Completed in January 2009, economist at the Federal Public Service (Regulation), Deputy Director Healthcare at Office of the Minister of Social Affairs and Public Health, Antwerp, Belgium ([link](#))
14. Ph.D. Anita Zednik, (joint supervision-external with David Throsby). Completed in 2009 at Macquarie University, Sydney. Assistant Professor at the Institute for Markets and Strategy, Vienna University of Economics and Business (WU Wien). ([link](#))
15. Ph.D. Viola Bruschi, (joint supervision-external, Università Politecnica delle Marche with Prof. R. Zanoli). Completed in April 2010 (Food Choice Experiments). Currently Senior Research Manager Consumer & Market Insights at Symrise, Holzminden, Lower Saxony, Germany ([link](#))
16. Ph.D. Chiara Taglioni, (joint supervision-external, Univ. of Perugia), main supervisor Bianca Torquati, University of Perugia, Italy. Completed in February 2010 (Choice of Milk types and local origin labeling), consultant at Food and Agricultural Organisation, Rome, Italy. ([link](#))
17. Ph.D. Irene Petrosillo, (joint supervision-external, Univ. of Perugia), main supervisor Bianca Torquati, University of Perugia, Italy. Completed in February 2010 (Choice of sheep cheese types and local origin labeling), Market Analyst, ISMEA-Istituto di servizi per il mercato agricolo alimentare, Rome, Italy. ([link](#))
18. M.Phil. James Tee (now Ph.D. from NYU [link](#)), Completed in October 2011 (Real Options Analysis of Carbon Forestry Under The New Zealand Emissions Trading Scheme), previously Sustainable Development Officer, UN Department of Economic and Social Affairs, then Assistant Professor at New York University, USA where he completed his Ph.D., now Research Fellow at Lincoln University, Canterbury New Zealand ([link](#))
19. Ph.D. Richard Yao, (Biodiversity conservation in NZ commercial forests). Completed in April 2012. Senior Research Economist at Scion, Rotorua, New Zealand. ([link](#))
20. Ph.D. Dave Matthews, (joint supervision-external with Prof. W.G. Hutchinson at Queens University Belfast: Three essays in nonmarket valuation). Completed in July 2014. Statistical Consultant at the Agri-Food and Biosciences Institute, Belfast. ([link](#))
21. Ph.D. Tom Ndebele, (co-supervised with Dan Marsh at Waikato). Completed April 2016 (Consumer demand for Green electricity in NZ) Research Associate, George Perkins Marsh Institute, Department of Economics, Clark University, Worcester, Maine, U.S.A. ([link](#))
22. Ph.D. Lena Mkwara, (co-supervised with Dan Marsh at Waikato) completed November 2016. (Water quality valuation in New Zealand) Post-doctoral Fellow Lincoln University, Canterbury, New Zealand ([link](#))
23. Ph.D. Alexey Kravchenko, (co-supervised with John Gibson and Anna Strutt) completed November 2016. (Value of water in agriculture). Currently Economic Affairs Officer at the Trade Policy and Facilitation Section, [Trade Investment and Innovation Division](#), United Nations Economic and Social Commission for Asia and the Pacific in Bangkok, Thailand. ([link](#))
24. Ph.D. Lorenzo Carlesi, (joint supervision-external, Università Politecnica delle Marche with Prof. R. Zanoli). Completed November 2016 (Economic valuation of Mediterranean deep-sea ecosystem goods and

services). Ph.D. in Marine Ecology and Biology, currently post-doc at Università Politecnica delle Marche, Italy.

25. Ph.D. Yvonne Matthews, (co-supervised by Dan Marsh at Waikato) completed December 2017 (Issues in nonmarket valuation with choice experiments), senior environmental economist at NIWA, Hamilton, New Zealand. ([link](#))
26. Ph.D. Stefania Mattea (co-supervised by Dan Marsh & Mike Cameron at Waikato: Three essays on stated choice experiments for nonmarket valuation of landslide protection). Completed on 24 July 2018. Winner of *Best Post Graduate Thesis Award AARES* 2019. Currently sustainability and environmental coordinator with Ghella Ltd, Auckland, New Zealand. ([link](#))
27. Ph.D. Francesco Bellelli (co-supervised by Ashar Aftab DUBS: Quality of institutions and ratification of environmental agreements), started October 2016, oral defence held in July 2019, completed October 2019. Previously econometrician with Pictet Group, Geneva, Switzerland, currently World Trade Organisation, Economics and Statistics Research Division. ([link](#))

Servizio Editoriale

Co-editor

Journal of Choice Modeling, 2009-2017 (founding co-editor);

Australian Journal of Agricultural and Resource Economics, 2017-2020;

Food Policy, 2016-2018.

Associate editor

American Journal of Agricultural Economics, 2020-2023;

European Review of Agricultural Economics, 2014-2016;

Environmental and Resource Economics, 2008-2012.

Member of Scientific, Advisory and Editorial Boards

Journal of Choice Modelling, 2012-to date;

Journal of Environmental Economics and Policy, 2011-to date;

Food Policy, 2018-to date;

Economia Agro-Alimentare (Food Economy), 2016-to date;

Journal of Agricultural and Applied Economics, 2015-to date;

Reviewer for the Asia-Pacific Applied Economics Association (APAEA), 2017-to date;

Italian Association of Environmental and Resource Economics, 2015-to date;

Bio-based and Applied Economics, 2015-to date;

Environmental and Resource Economics, 2006-2010.

European Review of Agricultural Economics, 2012-2017;

Peer-reviewer per le seguenti riviste accademiche

(oltre 100, in ordine alfabetico):

Agricultural Economics, Agricultural Systems, Appetite, Ambio, American Journal of Agricultural Economics, Animal, Applied Economic Perspectives and Policy, Applied Energy, Applied Stochastic Models in Business and Industry, Australian Journal of Agricultural and Resource Economics, Australian Journal of grape and wine research, Austrian Journal of Agricultural Research, Biodiversity and Conservation, BMC Public Health, Canadian Journal of Agricultural Economics, Cities, Climatic Change, Conservation Biology, Conservation Ecology, Contemporary Economic Policy, Ecological Economics, Economic Review International, Economics of Disasters and Climate Change, Ecosystem Services, Empirical Economics, Energy Economics, Energy Efficiency, Energy Policy, Environment and Planning A, Environment and Development Economics, Environmental and Resource Economics, Environmental Conservation, Environmental Science and Policy, European Journal of Health Economics, European Journal of Transport and Infrastructure Research, European Review of Agricultural Economics, European Transport, E-Journal American Water Works Association, Expert Reviews of Pharmacoeconomics & Outcomes Research, Food Economics, Food Policy, Forest Ecology and Management, Forest Policy and Economics, Forest Science, Forestry, Health Economics, International Economic Review, International Journal of Environmental Research and Public Health, International Journal of Hospitality Management, International Journal of Regional Science, International Journal of Disaster Risk Reduction, International Journal of Medical Informatics, International Journal of Sustainable Transportation, International Review of Economics, Journal of Agricultural Economics, Journal of Agricultural and Applied Economics, Journal of Agricultural Food and Industrial Organizations, Journal of Applied Econometrics, Journal of Agricultural Sciences, Journal of Choice Modelling, Journal of Cultural Economics, Journal of Development Studies, Journal of Economic Geography, Journal of Economic Psychology, Journal of Economic Surveys, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Environmental Policy and Planning, Journal of Forestry, Journal of Forest Economics, Journal of Health Economics, Journal of Public Economics, Journal of Regional Science, Journal of Rural Studies, Journal of Soil and Water Science Journal of Tourism management, Journal of the Association of Environmental and Resource Economists, Journal of Travel Research, Journal of Urban Water, Land Economics, Land Policy, Landscape and Rural Planning, Landscape and Urban Planning, Latin America Research Review, Marine Resource Economics, New Zealand Economic Papers, Ocean and Coastal Management, OR Spectrum, Oxford Economic Papers, Papers in Regional Science, PLOS One, Regional Studies, Renewable & Sustainable Energy Reviews, Research in Transportation Economics, Research Policy, Review of Agricultural and Environmental Studies, Risk Analysis, Rivista di Economia Agraria, Rivista di Politica Agraria, Scandinavian Journal of Economics, Social Science Journal, Social Science & Medicine, Technological Forecasting & Social Change, Telematics and informatics, Theory and Decision, Traffic Injury Prevention, Transport Management, Transportation, Transportation Research Part A, Transportation Research Part B, Transportation Research Part D, Transportation Research Part E, Transportmetrica A: Transport Science, Trends in Food Science & Technology, Urban Water Journal, Utilities Policy, Vaccine: X, Water Science and Technology, Water Research, Water Resource Economics, Water Resources Research.

Dati Bibliometrici

[ISI](#) [Scopus](#) [ORCID](#) [Impactio](#)
[Repec stats id psc205](#) [Citations in Economics](#) [Google Scholar](#) [Exaly Ranking](#)
 (can click on hyperlinks)

Pubblicazioni scientifiche in riviste con referiaggio

- [183] C. Bazzani, R. **Scarpa**, D. Begalli, and R. Capitello. "Reporting nutritional information on wine packaging: does it affect consumers' choices? Evidence from a Choice Experiment in Italy". In: *R & R at Food Policy* (2024).
- [182] C. Franceschinis, R. **Scarpa**, and M. Thiene. "Individual preferences for food items within couples: validating choice experiments predictions with real purchases data". In: *R & R at Australian Journal of Agricultural and Resource Economics* (2024).
- [181] C. Franceschinis, R. **Scarpa**, and M. Thiene. "Nudging consumers' choices towards healthier milk: a real purchase experiment". In: *R & R at Food Policy* (2024).
- [180] W. Ou, F.J.A. Perez-Cueto, R. **Scarpa**, and F. Scrimgeour. "The influence of innovation-adoption characteristics on consumers' trust and purchase intentions of innovative alternative proteins: A comparison of plant-based food, culture food, and insect-based food". In: *Food Quality and Preference* 113 (2024), p. 105072.
- [179] A. Pellegrini, M. De Salvo, G. Signorello, and R. **Scarpa**. "A spatial-based model of multiple discrete continuous demand for assessing recreational use of nature sites: A case study of Italian national parks". In: *R & R at Australian Journal of Agricultural and Resource Economics* (2024).
- [178] A. Pellegrini, G.V. Lombardi, R. **Scarpa**, and J.M. Rose. "A non-parametric random effects model for the valuation of forest recreation services: An application to forest sites in Tuscany, Italy". In: *Australian Journal of Agricultural and Resource Economics* (2024).
- [177] F. S. Bellelli, A. Aftab, and R. **Scarpa**. "The participation dilemma: A Survey of the Empirical Literature on International Environmental Agreement Ratification". In: *Review of Environmental Economics and Policy* 17.1 (2023), (Accepted on 08/10/2022 and forthcoming).
- [176] F. S. Bellelli, R. **Scarpa**, and A. Aftab. "An empirical analysis of participation in international environmental agreements". In: *Journal of Environmental Economics and Management* 118 (2023), p. 102783.
- [175] C. de Villiers, C. H. Cho, M. J. Turner, and R. **Scarpa**. "Are shareholders prepared to pay for additional financial, social and environmental disclosure? A choice-based experiment". In: *European Accounting Review* 23.1 (2023), pp. 1–28.
- [174] E. A. Asiago-Reddy, J. McPeak, R. **Scarpa**, A. Braksmajer, N. Ruszkowski, J. McMahon, and A. S. London. "Perceived access to PrEP as a critical step in engagement: A qualitative analysis and discrete choice experiment among young men who have sex with men". In: *PLoS ONE* 17.1 (Jan. 2022), pp. 1–21.
- [173] R. Atzori, A. Pellegrini, G.V. Lombardi, and R. **Scarpa**. "Response-times and subjective complexity of food choices: A web-based experiment across 3 countries". In: *Social Science Computer Review* 41 (1 2022), published online.
- [172] V. Caputo and R. **Scarpa**. "Methodological Advances in Food Choice Experiments and Modeling: Current Practices, Challenges, and Future Research Directions". In: *Annual Review of Resource Economics* 14 (2022), 63–90.
- [171] V. Dorgali, A. Longo, C. Vass, G. Shields, R. Harrison, **Scarpa** R., and M. Boeri. "A General Public Study on Preferences and Welfare Impacts of Antimicrobial Resistance in the United Kingdom". In: *PharmacoEconomics* 40 (1 2022), pp. 65–76.
- [170] C. Franceschinis, R. **Scarpa**, L. Rossetto, and M. Thiene. "Is local and organic produce less satiating? Some evidence from a field experiment". In: *European Review of Agricultural Economics* 49 (5 2022), pp. 1146–1178.
- [169] G. T. Kassie, F. Zeleke, M. Y. Birhanu, and R. **Scarpa**. "Would a simple attention-reminder in discrete choice experiments affect heuristics, preferences, and willingness to pay for livestock market facilities?" In: *PLoS ONE* 17 (7 2022), e0270917.

- [168] A. Pellegrini, J. M. Rose, and R. **Scarpa**. "Multiple herbicide use in cropland: A discrete-continuous model for stated choice data". In: *Land Economics* 98 (2 2022), pp. 355–375.
- [167] A. Aftab, A. Ahmed, and R. **Scarpa**. "Farm Households' Perception of Weather Change and Flood Adaptations in Northern Pakistan". In: *Ecological Economics* 182 (2021), p. 106882.
- [166] L. Arata, G. Guastella, S. Pareglio, R. **Scarpa**, and P. Sckokai. "Do city dwellers care about periurban land use? The case of environment-friendly agriculture around Milan". In: *Journal of Environmental Planning and Management* 64 (6 2021), pp. 1044–1066.
- [165] V. Chakrapani, P.A. Newman, M. Cameron, M. Shunmugam, S. Roungrakphon, S. Rawat, D. Baruah, R. Nelson, S. Tepjan, and R. **Scarpa**. "Willingness to Use Pre-exposure Prophylaxis (PrEP) and Preferences Among Men Who have Sex with Men in Mumbai and Chennai, India: A Discrete Choice Experiment". In: *AIDS and Behavior* 25 (2021), pp. 3074–3084.
- [164] R. Crastes dit Sourd, O. Beaumais, P.-A. Mahieud, P. Martínez-Camblor, and R. **Scarpa**. "A contingent valuation test for measuring the construct validity of willingness-to-pay estimates derived from choice-experiments". In: *Land Economics* 97.3 (2021), pp. 608–625.
- [163] R. **Scarpa**, C. Bazzani, R. Capitello, and D. Begalli. "Resolvable and near-epistemic uncertainty in stated preference for olive oil: an empirical exploration". In: *Journal of Agricultural Economics* 72 (2 2021), pp. 335–369.
- [162] R. **Scarpa**, C. Franceschinis, and M. Thiene. "Logit mixed logit under asymmetry and multimodality of WTP: a Monte Carlo evaluation". In: *American Journal of Agricultural Economics* 103.2 (2021), pp. 643–662.
- [161] C. Bazzani, R. Capitello, E.C. Ricci, R. **Scarpa**, and D. Begalli. "Nutritional Knowledge and Health Consciousness: Do They Affect Consumer Wine Choices? Evidence from a survey in Italy". In: *Nutrients* (12 2020), pp. 70–84.
- [160] M. De Salvo, R. **Scarpa**, R. Capitello, and D. Begalli. "Multi-country stated preferences choice analysis for fresh tomatoes". In: *Bio-based and Applied Economics* 9.3 (2020), pp. 241–262.
- [159] L. Pedersen, M. Mørkbak, and R. **Scarpa**. "Handling resolvable uncertainty from incomplete scenarios in future doctors' job choice-probabilities vs discrete choices". In: *Journal of Choice Modelling* 34 (2020), p. 100199.
- [158] K. Silz-Carson, S. Chilton, G. Hutchinson, and R. **Scarpa**. "Public Resource Allocation, Strategic Behavior, and Status Quo Bias in Choice Experiments". In: *Public Choice* 185 (1 2020), pp. 1–19.
- [157] S. Mattea, M. Thiene, and R. **Scarpa**. "Do Information and Citizens Characteristics Affect Public Acceptability of Landslide Protection Measures? A Latent Class Approach". In: *Handbook of Climate Services: Climate Change Management*. Ed. by W. L. Filho and D. Jacob. Springer, 2019, pp. 503–513.
- [156] T. Ndebele, D. Marsh, and R. **Scarpa**. "Consumer switching in retail electricity markets: Is price all that matters?" In: *Energy Economics* (83 2019), pp. 88–103.
- [155] M. Thiene, C. Franceschinis, and R. **Scarpa**. "Congestion management in protected areas: Accounting for respondents' inattention and preference heterogeneity in stated choice data". In: *European Review of Agricultural Economics* 46 (5 2019), pp. 834–861.
- [154] R. Yao, R. **Scarpa**, D. Harrison, and R. Burns. "Does the economic benefit of biodiversity enhancement exceed the cost of conservation in planted forests?" In: *Ecosystem Services* 38 (2019), p. 100954.
- [153] L. Agnoli, M. Boeri, R. **Scarpa**, R. Capitello, and D. Begalli. "Behavioural patterns in Mediterranean style drinking: Generation Y preferences in alcoholic beverage consumption". In: *Journal of Behavioral and Experimental Economics* 75 (2018), pp. 117–125.
- [152] M. T. Bennett, Y. Gong, and R. **Scarpa**. "Hungry Birds and Angry Farmers: Using Choice Experiments to Assess 'Ecocompensation' for Coastal Wetlands Protection in China". In: *Ecological Economics* 154 (2018), pp. 71–87.

- [151] V. Caputo, R. **Scarpa**, R. M. Nayga Jr., and D. L. Ortega. "Are Preferences for Food Quality Attributes Really Normally Distributed? An Analysis using Flexible Mixing Distributions". In: *Journal of Choice Modelling* 28 (2018), pp. 10–27.
- [150] V. Caputo, E. J. Van Loo, R. **Scarpa**, Jr. R. M. Nayga, and Verbeke W. "Comparing serial, and choice task stated and inferred attribute non-attendance methods in food choice experiments". In: *Journal of Agricultural Economics* 69.1 (2018), pp. 35–57.
- [149] P. Mariel, R. **Scarpa**, and A. Vega-Bayo. "Joint parental school choice: exploring the influence of individual preferences of husbands and wives". In: *Regional Science and Urban Economics* 68 (2018), pp. 23–35.
- [148] M. Masiero, C. Franceschinis, S. Mattea, M. Thiene, D. Pettenella, and R. **Scarpa**. "Ecosystem services' values and improved revenue collection for regional protected areas". In: *Ecosystem Services* 34 (2018), pp. 136–153.
- [147] Y. Matthews, R. **Scarpa**, and D. Marsh. "Cumulative attraction and spatial dependence in a destination choice model for beach recreation". In: *Tourism Management* 66 (2018), pp. 318–328.
- [146] M. Thiene, R. **Scarpa**, A. Longo, and W. G. Hutchinson. "Types of front of pack food labels: Do obese consumers care? Evidence from Northern Ireland". In: *Food Policy* 80 (2018), pp. 84–102.
- [145] B. Torquati, R. **Scarpa**, I. Petrosillo, M. G. Ligonzo, and C. Paffarini. "How Can Consumer Science Help Firms Transform Their 'Dog' (BCG Matrix) Products Into Profitable Products?" In: *Case studies in the traditional food sector*. Ed. by A. Cavicchi and C. Santini. Woodhead Publishing: Elsevier, 2018. Chap. 10.
- [144] V. Caputo, R. **Scarpa**, and R. M. Nayga Jr. "Cue versus independent food attributes: The effect of adding attributes in choice experiments". In: *European Review of Agricultural Economics* 44.2 (2017), pp. 211–230.
- [143] C. Franceschinis, M. Thiene, R. **Scarpa**, J. M. Rose, M. Moretto, and Cavalli R. "Adoption of Renewable heating systems: An empirical test of the diffusion of innovation theory". In: *Energy* 125 (2017), pp. 313–326.
- [142] B. Fu, F. Dyer, A. Kravchenko, B. Dyack, W. Merritt, and R. **Scarpa**. "A note on communicating environmental change for non-market valuation". In: *Ecological Indicators* 72 (2017), pp. 165–172.
- [141] J. Gibson, R. **Scarpa**, and H. Rohorua. "Estimating the willingness to pay for Warmer and Drier Homes". In: *New Zealand Economic Papers* 51.1 (2017), pp. 15–27.
- [140] R. J. Johnston, K. J. Boyle, W. Adamowicz, J. Bennett, R. Brouwer, T. A. Cameron, W. M. Hanemann, N. Hanley, M. Ryan, R. **Scarpa**, R. Tourangeau, and C. A. Vossler. "Contemporary Guidance for Stated Preference Studies". In: *Journal of the Association of Environmental and Resource Economists* 4.2 (2017), pp. 319–405.
- [139] Y. Matthews, **Scarpa** R., and Marsh D. "Using virtual environments to improve the realism of choice experiments: A case study about coastal erosion management". In: *Journal of Environmental Economics and Management* 81 (2017), pp. 193–208.
- [138] Y. Matthews, R. **Scarpa**, and Marsh D. "Stability of Willingness-to-Pay for Coastal Management: A Choice Experiment Across Three Time Periods". In: *Ecological Economics* 138 (2017), pp. 64–73.
- [137] A. McMichel, M. Boeri, J. Rolison, J. Kane, F. O'Neill, F. Kee, and R. **Scarpa**. "The influence of genotype information on psychiatrists' treatment recommendations: More experienced clinicians know better what to ignore". In: *Value in Health* 20.1 (2017), pp. 126–131.
- [136] M. Thiene, J. Swait, and R. **Scarpa**. "Choice set formation for outdoor destinations: the role of motivations and preference discrimination in site selection for the management of public expenditures on protected areas". In: *Journal of Environmental Economics and Management* 81 (2017), pp. 152–173.

- [135] C. Franceschinis, R. **Scarpa**, M. Thiene, J. Rose, M. Moretto, and Cavalli R. "Exploring the spatial heterogeneity of individual preferences for ambient heating systems". In: *Energies* 8 (2016), p. 407.
- [134] S. Mattea, C. Franceschinis, R. **Scarpa**, and Thiene M. "Valuing landslide risk reduction programs in the Italian Alps: The effect of visual information on preference stability". In: *Land Use Policy* 59 (2016), pp. 176–184.
- [133] P. A. Newman, P. M. Cameron, S. Roungrakphon, S. Tepjan, and R. **Scarpa**. "Acceptability and Preferences for Hypothetical Rectal Microbicides among a Community Sample of Young Men Who Have Sex with Men and Transgender Women in Thailand: A Discrete Choice Experiment". In: *AIDS and Behavior* 20.11 (2016), pp. 2588–2601.
- [132] M. Thiene, D. Shaw, and **Scarpa** R. "Perceived Risks of Mountain Landslides in Italy: Stated Choices for Subjective Risk Reductions". In: *Landslides* 14.3 (2016), pp. 1077–1089.
- [131] Y. Chen, V. Caputo, R. M. Nayga, R. **Scarpa**, and S. Fazli. "How visual attention affects choice outcomes: An eyetracking study". In: *The 3rd International Winter Conference on Brain-Computer Interface*. 2015, pp. 1–5.
- [130] L. Mkwara, D. Marsh, and R. **Scarpa**. "The effect of within-season variability on estimates of recreational value for trout anglers in New Zealand". In: *Ecological Economics* 119 (2015), pp. 338–345.
- [129] Mara Thiene, Riccardo Scarpa, and Jordan Louviere. "Addressing Preference Heterogeneity, Multiple Scales and Attribute Attendance with a Correlated Finite Mixing Model of Tap Water Choice". In: *Environmental and Resource Economics* 62 (2015), pp. 637–656.
- [128] R. T. Yao, R. **Scarpa**, J. M. Rose, and J. A. Turner. "Experimental Design Criteria and Their Behavioural Efficiency: An Evaluation in the Field". English. In: *Environmental and Resource Economics* 62.3 (2015), pp. 433–455.
- [127] C. Aravena, Martinsson P., and **Scarpa** R. "Does Money Talk? The Effect of a Monetary Attribute on the Marginal Values in a Choice Experiment". In: *Energy Economics* 44 (2014), pp. 483–491.
- [126] M. Boeri, R. **Scarpa**, and C.G. Chorus. "Stated choices and benefit estimates in the context of traffic calming schemes: utility maximization, regret minimization, or both?" In: *Transportation Research Part A: Policy and Practice* 61 (2014), pp. 121–135.
- [125] D. Campbell, D. A. Hensher, and R. **Scarpa**. "Bounding WTP distributions to reflect the 'actual' consideration sets". In: *Journal of Choice Modelling* 11 (2014), pp. 4–15.
- [124] P. Koundouri, R. **Scarpa**, and M. Stithou. "A Choice Experiment for the Estimation of the Economic Value of the River Ecosystem: Management Policies for Sustaining NATURA (2000) species and the Coastal Environment". In: *Water Resources Management Sustaining Socio-Economic Welfare*. Ed. by Phoebe Koundouri and Nikos A Papandreou. Springer, Dordrecht, 2014, pp. 101–112.
- [123] C. Rungie, R. **Scarpa**, and M. Thiene. "The influence of individuals in forming collective household preferences for water quality". In: *Journal of Environmental Economics and Management* 68 (2014), pp. 161–174.
- [122] G. Stefani, R. **Scarpa**, and G.V. Lombardi. "An addendum to: A meta-analysis of hypothetical bias in stated preference valuation". In: *Bio-Based Applied Economics* 3 (2014), pp. 175–184.
- [121] J. Tee, R. **Scarpa**, D. Marsh, and G. Guthrie. "Forest valuation under the NZ emissions trading scheme: a real options binomial tree with stochastic carbon and timber prices". In: *Land Economics* 90.1 (2014), pp. 44–60.
- [120] R. T. Yao, R. **Scarpa**, J.A. Turner, T.D. Barnard, J.M. Rose, J.H.N. Palma, and D. R. Harrison. "Valuing biodiversity enhancement in New Zealand's planted forests: Socioeconomic and spatial determinants of willingness-to-pay". In: *Ecological Economics* 98.0 (2014), pp. 90–101.
- [119] M. P. Cameron, P. A. Newman, S. Roungrakphon, and R. **Scarpa**. "The marginal willingness-to-pay for attributes of a hypothetical HIV vaccine". In: *Vaccine* 31.36 (2013), pp. 3712–3717.

- [118] V. Caputo, R. Nayga, and R. **Scarpa**. "Food miles or carbon emissions? Exploring labeling preference for food transport footprint with a stated choice study". In: *Australian Journal of Agricultural and Resource Economics* 57 (2013), pp. 465–482.
- [117] G. Cicia, L. Cembalo, T. del Giudice, and R. **Scarpa**. "Country-of-origin effects on Russian wine consumers". In: *Journal of Food Products Marketing* 19.4 (2013), pp. 247–260.
- [116] R. **Scarpa**, R. Zanolli, V. Bruschi, and S. Naspetti. "Inferred and stated attribute non-attendance in food choice experiments". In: *American Journal of Agricultural Economics* 95.1 (2013), pp. 165–180.
- [115] M. Thiene, R. **Scarpa**, L. Galletto, and V. Boatto. "Determinants of WTP for Prosecco wine: a latent class regression with attitudinal responses". In: *British Food Journal* 11.2 (2013), pp. 279–289.
- [114] M. Thiene, R. **Scarpa**, L. Galletto, and V. Boatto. "Sparkling wine choice from supermarket shelves: the impact of certification of origin and production practices". In: *Agricultural Economics* 44 (2013), pp. 523–536.
- [113] D. Campbell, D. Hensher, and R. **Scarpa**. "Cost thresholds, cut-offs and sensitivities in stated choice analysis: identification and implications". In: *Resource and Energy Economics* 34.3 (2012), pp. 396–411.
- [112] B. Day, I. Bateman, R. Carson, D. Dupont, J. Louviere, S. Morimoto, R. **Scarpa**, and P. Wang. "Ordering Effects and Choice Set Awareness in Repeat-Response Stated Preference Studies". In: *Journal of Environmental Economics and Management* 63 (2012), pp. 73–91.
- [111] G. Nocella, A. Boecker, L. Hubbard, and R. **Scarpa**. "Eliciting consumer preferences for certified animal-friendly foods: can elements of the theory of planned behavior improve choice experiment analysis?" In: *Psychology and Marketing* 29.11 (2012), pp. 850–868.
- [110] G. Stefani, R. **Scarpa**, and A. Cavicchi. "Exploring consumer's preferences for farmed sea bream". In: *Aquaculture International* 20.4 (2012), pp. 673–691.
- [109] M. Stithou and R. **Scarpa**. "Collective versus voluntary payment in contingent valuations for the conservation of marine biodiversity: an exploratory study from Zakynthos, Greece". In: *Ocean & Coastal Management* 56 (2012), pp. 1–9.
- [108] R. **Scarpa**, M. Thiene, and D. Hensher. "Preferences for tap water attributes within couples: An exploration of alternative mixed logit parameterizations". In: *Water Resources Research* 48 (2012), W01520.
- [107] R. Zanolli, R. **Scarpa**, F. Napolitano, E. Piasentier, S. Naspetti, and V. Bruschi. "Organic label as an identifier of environmentally related quality: A consumer choice experiment on beef in Italy". In: *Renewable Agriculture and Food Systems* 28 (2012), pp. 70–79.
- [106] D. Campbell, D. A. Hensher, and R. **Scarpa**. "Non-attendance to attributes in environmental choice analysis: a latent class specification". In: *Journal of Environmental Planning and Management* 54.8 (2011), pp. 1061–1076.
- [105] G. Cicia, L. Cembalo, T. del Giudice, and R. **Scarpa**. "The impact of country-of-origin information on consumer perception of environmental environment-friendly characteristics". In: *International Journal on Food System Dynamics* 2.1 (2011), pp. 106–111.
- [104] D. Marsh, L. Mkwarara, and R. **Scarpa**. "Do Respondents' Perceptions of the Status Quo Matter in Non-Market Valuation with Choice Experiments? An Application to New Zealand Freshwater Streams". In: *Sustainability* 3.9 (2011), pp. 1593–1615.
- [103] R. **Scarpa**, S. Notaro, J.J. Louviere, and R. Raffaelli. "Exploring Scale Effects of Best/Worst Rank Ordered Choice Data to Estimate Benefits of Tourism in Alpine Grazing Commons". In: *American Journal of Agricultural Economics* 93.3 (2011), pp. 813–828.
- [102] R. **Scarpa** and M. Thiene. "Organic food choices and Protection Motivation Theory: addressing the psychological sources of heterogeneity". In: *Food Quality and Preference* 22.6 (2011), pp. 532–541.
- [101] B. Vermeulen, P. Goos, R. **Scarpa**, and M. Vandebroek. "Bayesian conjoint choice designs for measuring willingness to pay". In: *Environmental and Resource Economics* 48 (2011), pp. 129–149.

- [100] K. G. Willis, R. **Scarpa**, R. Gilroy, and N. Hamza. "Renewable energy adoption in an ageing population: Heterogeneity in preferences for micro-generation technology adoption". In: *Energy Policy* 39.10 (2011), pp. 6021–6029.
- [99] N. Beharry-Borg and R. **Scarpa**. "Researcher-selected versus respondent-selected attributes: improved coastal water quality in Tobago." In: *Choice Experiments in Developing Countries*. Ed. by Jeff Bennett and Ekin Birol. Edward Elgar, Cheltenham, U.K., 2010. Chap. 5, pp. 67–86.
- [98] N. Beharry-Borg and R. **Scarpa**. "Valuing quality changes in Caribbean coastal waters for heterogeneous beach visitors". In: *Ecological Economics* 69 (2010), pp. 1124–39.
- [97] D. Campbell, S. Hess, R. **Scarpa**, and J. M. Rose. "Accommodating coefficient outliers in discrete choice modelling: a comparison of discrete and continuous mixing approaches". In: *Choice Modelling: the state-of-the-art and the state-of-practice*. Ed. by Stephane Hess and Andrew Daly. Emerald Group Publishing Limited, 2010. Chap. 15, pp. 331–352.
- [96] B. Lanz, A. Provins, I.J. Bateman, R. **Scarpa**, K. Willis, and E. Ozdemiroglu. "Investigating willingness to pay and willingness to accept asymmetry in choice experiments". In: *Choice Modelling: the state-of-the-art and the state-of-practice. Proceedings from the inaugural International Choice Modelling Conference*. Ed. by Stephane Hess and Andrew Daly. Emerald Group Publishing Limited, 2010. Chap. 24, pp. 517–542.
- [95] G. Nocella, L. Hubbard, and R. **Scarpa**. "Farm Animal Welfare, Consumer Willingness to Pay, and Trust: Results of a Cross-National Survey". In: *Applied Economic Perspectives and Policy* 32.2 (2010), pp. 275–297.
- [94] E. Ruto and R. **Scarpa**. "Using choice experiments to investigate preferences for cattle traits in Kenya". In: *Choice Experiments in Developing Countries*. Ed. by Jeff Bennett and Ekin Birol. Edward Elgar, Cheltenham, U.K., 2010. Chap. 14, pp. 244–260.
- [93] R. **Scarpa**, M. Thiene, and D. A. Hensher. "Monitoring choice task attribute attendance in non-market valuation of multiple park management services: Does it matter?" In: *Land Economics* 86.4 (2010), pp. 817–839.
- [92] R. **Scarpa** and K. G. Willis. "Willingness-to-pay for renewable energy: Primary and discretionary choice of British households for micro-generation technologies". In: *Energy Economics* 32.1 (2010), pp. 129–136.
- [91] N. Beharry-Borg, D.A. Hensher, and R. **Scarpa**. "An analytical framework for joint vs separate decisions by couples in choice experiments: the case of coastal water quality in Tobago". In: *Environmental and Resource Economics* 43.1 (2009), pp. 95–117.
- [90] D. Campbell, W.G. Hutchinson, and R. **Scarpa**. "Using choice experiments to explore the spatial distribution of willingness to pay for rural landscape improvements". In: *Environment and Planning A* 41 (2009), pp. 97–111.
- [89] P. Kaval, M. Stithou, and R. **Scarpa**. "Social values of biodiversity conservation: for the endangered loggerhead turtle and monk seal". In: *International Journal of Ecological Economics and Statistics* 14 (2009), pp. 67–76.
- [88] D.I. Matthews, W.G. Hutchinson, and R. **Scarpa**. "Testing the stability of the benefit transfer function for discrete choice contingent valuation data". In: *Journal of Forest Economics* 15 (2009), pp. 131–146.
- [87] R. **Scarpa**, T. J. Gilbride, D. Campbell, and D. A. Hensher. "Modelling attribute non-attendance in choice experiments for rural landscape valuation". In: *European Review of Agricultural Economics* 36.2 (2009), pp. 151–174.
- [86] R. **Scarpa**, M. Thiene, and L. Galletto. "Consumers WTP for wine with certified origin: preliminary results from Latent Classes based on attitudinal responses". In: *Journal of Food Products Marketing* 15 (2009), pp. 231–248.

- [85] M. Thiene and R. **Scarpa**. "Deriving and testing efficient estimates of WTP distributions in destination choice models". In: *Environmental and Resource Economics* 44 (2009), pp. 379–395.
- [84] N. Beharry and R. **Scarpa**. "Valuing improved coastal water quality for beach recreation on the Caribbean island of Tobago". In: *Payment for Ecosystems Services*. Ed. by Pushpam Kumar and Roldan Muradian. Oxford University Press, U.K., 2008. Chap. 10.
- [83] D. Campbell, W.G. Hutchinson, and R. **Scarpa**. "Incorporating discontinuous preferences into the analysis of discrete choice experiments". In: *Environmental and Resource Economics* 41 (2008), pp. 401–417.
- [82] D. Campbell, W.G. Hutchinson, and R. **Scarpa**. "Using mixed logit models to derive individual-specific WTP estimates for landscape improvements under agri-environmental schemes: evidence from the Rural Environment Protection Scheme in Ireland". In: *Choice Experiments Informing Environmental Policy: A European Perspective*. Ed. by Ekin Birol and Phoebe Koundouri. Edward Elgar, Cheltenham U.K., 2008, pp. 58–81.
- [81] D. Campbell, R. **Scarpa**, and W.G. Hutchinson. "Assessing the spatial dependence of welfare estimates obtained from discrete choice experiments". In: *Letters in Spatial and Resource Sciences* 1 (2008), pp. 117–126.
- [80] L. Cembalo, G. Cicia, T. del Giudice, R. **Scarpa**, and C. Tagliafierro. "Beyond Agropiracy: The Case of Italian Pasta in the United States Retail Market". In: *Agribusiness: an International Journal* 24.3 (2008), pp. 403–413.
- [79] G. Cicia, T. Del Giudice, and R. **Scarpa**. "Quanto ci si puo' fidare delle stime ottenute con i Choice Models? Alcune riflessioni su questioni aperte". In: *Rivista di Economia Agraria* 2 (2008), pp. 254–272.
- [78] S. Hynes, N. Hanley, and R. **Scarpa**. "Effects on Welfare Measures of Alternative Means of Accounting for Preference Heterogeneity in Recreational Demand Models". In: *American Journal of Agricultural Economics* 1011–1027.4 (4 2008), p. 90.
- [77] R. Leon-Gonzalez and R. **Scarpa**. "Improving multi-site benefit functions via Bayesian model averaging: A new approach to benefit transfer". In: *Journal of Environmental Economics and Management* 56.1 (2008), pp. 50–68.
- [76] R. Roessler, A. G. Drucker, R. **Scarpa**, A. Markemann, U. Lemke, L. T. Thuy, and A. Valle Zarate. "Using choice experiments to assess smallholder farmers' preferences for pig breeding traits in different production systems in North-West Vietnam". In: *Ecological Economics* 66.1 (2008), pp. 184–192.
- [75] E. Ruto, G. Garrod, and R. **Scarpa**. "Valuing animal genetic resources: a choice modelling application to indigenous cattle in Kenya". In: *Agricultural Economics* 38 (2008), pp. 89–98.
- [74] R. **Scarpa** and J. M. Rose. "Designs efficiency for nonmarket valuation with choice modelling: how to measure it, what to report and why". In: *Australian Journal of Agricultural and Resource Economics* 52.3 (2008), pp. 253–282.
- [73] R. **Scarpa**, M. Thiene, and F. Marangon. "Using Flexible Taste Distributions to Value Collective Reputation for Environmentally Friendly Production Methods". In: *Canadian Journal of Agricultural Economics* 56 (2008), pp. 145–162.
- [72] R. **Scarpa**, M. Thiene, and K. Train. "Utility in WTP space: a tool to address confounding random scale effects in destination choice to the Alps". In: *American Journal of Agricultural Economics* 90 (4 2008), pp. 994–1010.
- [71] M. Thiene and R. **Scarpa**. "Hiking in the Alps: exploring substitution patterns of hiking destinations". In: *Tourism Economics* 14.2 (2008), pp. 263–282.
- [70] S. Ferrini and R. **Scarpa**. "Designs with a-priori information for nonmarket valuation with choice-experiments: a Monte Carlo study". In: *Journal of Environmental Economics and Management* 53.3 (2007), pp. 342–363.

- [69] R. **Scarpa**, D. Campbell, and W. G. Hutchinson. "Benefit estimates for landscape improvements: sequential Bayesian design and respondents' rationality in a choice experiment study". In: *Land Economics* 83.4 (2007), pp. 617–634.
- [68] R. **Scarpa**, W.G. Hutchinson, S.M. Chilton, and J. Buongiorno. "Benefit value transfer conditional on site attributes: some evidence of reliability from forest recreation in Ireland". In: *Environmental value transfer: issues and methods*. Ed. by S. Navrud and R. Ready. Dordrecht, The Netherlands: Springer Publisher, 2007. Chap. 10, pp. 179–205.
- [67] R. **Scarpa**, F. Spalatro, and M. Canavari. "Investigating Preferences For Environment Friendly Production Practices". In: *Organic Food: Consumers' Choices and Farmers' Opportunities*. Ed. by Maurizio Canavari and Kent Olson. New York, USA: Springer, 2007, pp. 115–124.
- [66] R. **Scarpa**, M. Thiene, and F. Marangon. "The value of collective reputation for environmentally-friendly production methods: the case of Val di Gresta carrots". In: *Journal of Agricultural and Food Industrial Organization* 5.1 (2007), Article 7.
- [65] R. **Scarpa**, M. Thiene, and T. Tempesta. "Latent class count models of total visitation demand: days out hiking in the eastern Alps". In: *Environmental and Resource Economics* 38.4 (2007), pp. 447–460.
- [64] R. **Scarpa**, K. G. Willis, and M. Acutt. "Valuing Externalities from Water Supply: Status Quo, Choice Complexity and Individual Random Effects in Panel Kernel Logit Analysis of Choice Experiments". In: *Journal of Environmental Planning and Management* 50 (2007), pp. 449–466.
- [63] M. Thiene, R. **Scarpa**, and T. Tempesta. "Eterogeneità delle preferenze e delle attività ricreative nelle Alpi: due specificazioni di modello a classi latenti a confronto". In: *Rivista di Economia Agraria* 4 (2007), pp. 633–656.
- [62] C. Aravena, P. Martinsson, and R. **Scarpa**. "The Effect of a Monetary Attribute on the Marginal Rate of Substitution in a Choice Experiment". In: *Proceedings of the Third World Congress of Environmental and Resource Economists, Kyoto, Japan, 3-7 July. Session 1H, Room I*. 2006.
- [61] R. Maren, P. Kristjanson, E. Ruto, R. Scarpa, and J. Wakhungu. "Determinants of cattle prices in Southern Kenya: Implications for breed conservation and pastoral marketing strategies". In: *Pastoral Livestock Marketing in Eastern Africa: Research and Policy Changes*. Ed. by J. G. McPeak and P. D. Little. ITDG Publishing, Rugby., 2006.
- [60] G. Nocella and R. **Scarpa**. "Benefits from safer animal food products: preliminary results from a contingent valuation study of Italian households". In: *Rivista di Economia Agroalimentare* 2 (2006), pp. 93–109.
- [59] M. Radeny, R. **Scarpa**, E. Ruto, P. Kristjanson, and J. Wakhungu. "Determinants Of Cattle Prices In Southern Kenya: Implications For Breed Conservation And Pastoral Marketing Strategies". In: ed. by J. G. McPeak and P. D. Little. Vol. *Livestock Marketing in Eastern Africa: Research and Policy Challenges*. Warwickshire: ITDG Publishing, 2006. Chap. 6, pp. 90–107.
- [58] R. **Scarpa** and K.G. Willis. "Distribution of WTP for speed reduction with non-positive bidders: is choice modeling consistent with contingent valuation?" In: *Transport Reviews* 26.4 (2006), pp. 451–469.
- [57] M. Thiene, R. **Scarpa**, and R. Troiano. "La struttura dell'eterogeneità inosservabile delle preferenze al consumo: un approccio basato sulle classi latenti da responsi discreti". In: *Rivista di Economia Agraria* 3 (2006), pp. 401–430.
- [56] K. G. Willis and R. **Scarpa**. "Valuing water service level changes: a random utility approach and benefits transfer comparison". In: *Environmental Valuation in Developed Countries*. Ed. by David Pearce. Edward Elgar, 2006. Chap. 13.
- [55] M. Canavari, G. Nocella, and R. **Scarpa**. "Stated willingness-to-pay for organic fruit and pesticide ban: an evaluation using both web-based and face-to-face interviewing". In: *Journal of Food Products Marketing* 11.3 (2005), pp. 107–134.

- [54] M. Canavari, G. Nocella C. Pirazzoli, D. Regazzi, S. Rivaroli, and R. **Scarpa**. "Prospettive economiche di mercato della produzione ortofrutticola biologica: Un'indagine sul gradimento dei consumatori". In: *Italus Hortus* 12.3 (2005), pp. 27–37.
- [53] G. Cicia, T. Del Giudice, and R. **Scarpa**. "Welfare loss due to lack of traceability in extra-virgin olive oil: some preliminary results from a case study". In: *Cahiers Options Méditerranéennes* 64 (2005), pp. 19–31.
- [52] S. Menzel and R. **Scarpa**. "Protection Motivation Theory and Contingent Valuation: Perceived Realism, Threat and WTP Estimates for Biodiversity Protection". FEEM Working paper 26.2005. Paper presented at the AERE Conference, Bremen, June. 2005.
- [51] T. O'Leary, A. McCormack, G. Hutchinson, D. Campbell, R. **Scarpa**, and B. Riordan. *Landscape impact of REPS: a quantitative assessment*. Report to the Department of Agriculture and Food, Dublin, Ireland. 2005.
- [50] R. **Scarpa**, S. Ferrini, and K. G. Willis. "Performance of error component models for status-quo effects in choice experiments". In: *Applications of simulation methods in environmental and resource economics*. Springer, 2005. Chap. 13, pp. 247–274.
- [49] R. **Scarpa**, G. Philippidis, and F. Spalatro. "Product-Country Images and Preference Heterogeneity for Mediterranean Food Products: A Discrete Choice Framework". In: *Agribusiness* 21 (3 2005), pp. 329–349.
- [48] R. **Scarpa** and M. Thiene. "Destination choice models for rock climbing in the Northeastern Alps: A latent-class approach based on intensity of preference". In: *Land Economics* 81.3 (2005), pp. 426–44.
- [47] R. **Scarpa**, K. G. Willis, and M. Acutt. "Individual-specific welfare measures for public goods: a latent class approach to residential customers of Yorkshire Water". In: *Econometrics Informing Natural Resource Management*. Ed. by P. Koundouri. Cheltenham, U.K. and Nottingham, MA, U.S.A.: Edward Elgar Publisher, 2005. Chap. 14, pp. 316–337.
- [46] M. Thiene, R. **Scarpa**, and T. Tempesta. "Outdoor recreation in Northeastern Alps: comparing two-stage nested logit RUMs". In: *Food, Agriculture and the Environment*. Ed. by E. Defrancesco, L. Galletto, and M. Thiene. Franco Angeli Publisher, 2005, pp. 423–444.
- [45] K.G. Willis, R. **Scarpa**, and M. Acutt. "Assessing Water Company Customer Preferences and Willingness-To-Pay for Service Improvements: a stated choice analysis". In: *Water Resources Research* 41 (2005), W02019.
- [44] R. **Scarpa** and T. Del Giudice. "Preference-Based Segmentation Via Mixed Logit: The Case Of Extra-Virgin Olive Oil Across Urban Markets". In: *Journal of Agricultural & Food Industrial Organization* 2 (2004), Article 7.
- [43] R. **Scarpa** and M. Thiene. "La stima delle probabilità di scelta di siti ricreativi alternativi". In: *Rivista di Economia Agraria* 3 (2004), pp. 363–399.
- [42] R. **Scarpa**, K. G. Willis, and M. Acutt. "Monte Carlo simulation evidence on the effect of the status-quo in choice experiment models for water supply". In: *2004 European Association of Environmental and Resource Economists Conference*. Budapest, 2004.
- [41] A. Alberini and R. **Scarpa**. *Willingness to Pay for Mortality Risk Reductions: Evidence from Italy*. Tech. rep. Preliminary Report Submitted to the DIEM Team, 15th August, 2003.
- [40] G. Cicia and R. **Scarpa**. "Willingness to pay for rural landscape preservation: a case study in Mediterranean agriculture". In: *Proceedings of an International Workshop at Schloss Rauischholzhausen, October 16-18, 2002, on Pricing environmental services of agriculture*. Ed. by M. Kissling, K. Schmitz, P.M. Schmitz, and T.C. Wronka. 2003, pp. 97–116.
- [39] W. G. Hutchinson, R. **Scarpa**, S. M. Chilton, and T. McCallion. "Spatial Distribution Versus Efficiency Effects Of Forest Recreation Policies: Using a Regional Travel Cost Model". In: *The New Economics of Outdoor Recreation*. Ed. by N. Hanley, D. Shaw, and R. Wright. Edward Elgar, 2003, pp. 139–164.

- [38] E. Strazzerà, M. Genius, R. **Scarpa**, and G. Hutchinson. "The effect of protest votes on the estimates of WTP for use values of recreational sites". In: *Environmental and Resource Economics* 25.4 (2003), pp. 461–476.
- [37] E. Strazzerà, R. **Scarpa**, P. Calia, G. D. Garrod, and K. G. Willis. "Modelling zero values and protest responses in contingent valuation surveys". In: *Applied Economics* 35.2 (2003), pp. 133–138.
- [36] R. **Scarpa**, A. Drucker, S. Anderson, N. Ferraes-Ehuan, V. Gomez C. R. Risopatron, and O. Rubio-Leonel. "Valuing Animal Genetic Resources in Peasant Economies: The Case of the Box Keken Creole Pig in Yucatan". In: *Ecological Economics* 45.3 (2003), pp. 427–443.
- [35] R. **Scarpa**, E.S.K. Ruto, P. Kristjanson, M. Radeny, and A. Drucker and J.E.O. Rege. "Valuing indigenous cattle breeds in Kenya: an empirical comparison of stated and revealed preference value estimates". In: *Ecological Economics* 45.3 (2003), pp. 409–426.
- [34] R. **Scarpa**, T. Tempesta, and M. Thiene. "La domanda escursionistica della montagna veneta: un'analisi tramite modelli di conteggio con varianza flessibile". In: *Rivista di Economia Agraria* 1 (2003), pp. 47–78.
- [33] R. **Scarpa**, T. Tempesta, and M. Thiene. "Non-participation, demand intensity and substitution effects in an integrable demand system: the case of day trips to the North-Eastern Alps from Veneto CAI members". In: *The New Economics of Outdoor Recreation*. Ed. by N. Hanley, D. Shaw, and R. Wright. Edward Elgar, 2003. Chap. 6, pp. 98–122.
- [32] M. Bravi, R. **Scarpa**, and G. Sirchia. "Valuing cultural services in Italian museums: a contingent valuation study". In: *Valuing Cultural Heritage: Applying Environmental Valuation Techniques to Historic Buildings, Monuments and Artifacts*. Ed. by S. Navrud and R. C. Ready. Cheltenham: Edward Elgar, 2002. Chap. 12.
- [31] G. Cicia, T. Del Giudice, and R. **Scarpa**. "Consumers' Perception of Quality in Organic Food: a random utility model under preference heterogeneity and choice correlation from rank-orderings". In: *British Food Journal* 104.3/4/5 (2002), pp. 200–213.
- [30] G. D. Garrod, R. **Scarpa**, and K. G. Willis. "Estimating The Benefits of Traffic Calming on Through Routes: A Choice Experiment Approach". In: *Journal of Transport Economics and Policy* 36 (2002), pp. 211–231.
- [29] R. **Scarpa**, F. Spalatro, and M. Canavari. *Investigating preferences for environment friendly production practices*. AgEcon Search Working Paper 03-3, <http://agecon.lib.umn.edu/>. 2002.
- [28] K.G. Willis and R. **Scarpa**. "Yorkshire Water Customers' Utility and Willingness-To-Pay For Changes In Water Service Factor Levels: A Stated Choice Analysis". Report to Yorkshire Waters. 2002.
- [27] G. Hutchinson, R. **Scarpa**, S. Chilton, and T. Mc Callion. "Parametric and non-parametric estimates of WTP for forest recreation in Northern Ireland: a multi-site analysis using discrete choice contingent valuation with follow-ups". In: *Journal of Agricultural Economics* 52.1 (2001), pp. 104–122.
- [26] R. **Scarpa**, G. D. Garrod, and K. G. Willis. *Valuing local public goods with advanced stated preference models: traffic calming schemes in northern England*. Tech. rep. University of Newcastle upon Tyne, 2001.
- [25] R. **Scarpa** and F. Spalatro. "Eterogeneità nelle preferenze al consumo: il caso del biologico e della lotta integrata nell'uva da tavola e nelle fragole". In: *Rivista di Economia Agraria* 3 (2001), pp. 417–450.
- [24] R. **Scarpa**, K. G. Willis, and G. D. Garrod. "Estimating WTP for Speed Reduction from Dichotomous-Choice CV Responses with Follow-up: The Case of Rural Trunk Roads". In: *Environmental and Resource Economics* 20.4 (2001), pp. 281–304.
- [23] D. Romano, R. **Scarpa**, F. Spalatro, and L. Viganò. "Modeling determinants of participation, number of trips and site choice for outdoor recreation in protected areas". In: *Journal of Agricultural Economics* 51 (2000), pp. 224–238.

- [22] R. **Scarpa**. "Contingent Valuation vs Choice Experiments: Estimating the Benefits of Environmentally Sensitive Areas in Scotland: A comment". In: *Journal of Agricultural Economics* 51.1 (2000), pp. 122–128.
- [21] R. **Scarpa** and I. Bateman. "Efficiency Gains Afforded by Improved Bid Design Versus Follow-Up Valuation Questions in Discrete Choice CV Studies". In: *Land Economics* 76 (2000), pp. 299–311.
- [20] R. **Scarpa**, J. Buongiorno, J.-S. Hseu, and K. Lee. "Assessing The Non-Timber Value of Forests: A Revealed-Preference Hedonic Model for Wisconsin Hardwoods". In: *Journal of Forest Economics*. 6.2 (2000), pp. 83–107.
- [19] R. **Scarpa**, S. Chilton, and W. G. Hutchinson. "Benefits From Forest Recreation: Flexible Functional Forms For WTP Distributions". In: *Journal of Forest Economics* 6.1 (2000), pp. 41–54.
- [18] R. **Scarpa**, S. M. Chilton, W. G. Hutchinson, and J. Buongiorno. "Valuing the recreational benefits from creation of nature reserves in Irish forests". In: *Ecological Economics* 33 (2000), pp. 237–250.
- [17] R. **Scarpa**, W. G. Hutchinson, S. M. Chilton, and J. Buongiorno. "Importance of Forest Attributes in the Willingness To Pay for Recreation: A Contingent Valuation Study of Irish Forests". In: *Forest Policy and Economics* 1.3-4 (2000), pp. 315–329.
- [16] M. Bravi and R. **Scarpa**. "Stima degli effetti individuali sulla disponibilità a pagare da responsi dicotomici con reiterazione: escursionisti e villeggianti in visita al Parco Nazionale del Gran Paradiso". In: *Aestimum* 38 (1999), pp. 71–101.
- [15] G. Cicia and R. **Scarpa**. "La disponibilità a pagare per il paesaggio rurale nel Cilento: paradigmi interpretativi del metodo della valutazione contingente". In: *Rivista di Economia Agraria* 1 (1999), pp. 54–94.
- [14] R. **Scarpa**. "Caratteristiche dei boschi e disponibilità a pagare per la ricreazione all'aperto: uno studio di valutazione contingente con il metodo referendario reiterato". In: *Rivista di Economia Agraria* 4 (1998), pp. 465–493.
- [13] R. **Scarpa**. "Stime della Disponibilità a Pagare Attesa da Interviste CVM a Responso Dicotomico: Forma Funzionale e Metodi di Simulazione della Varianza Campionaria". In: *Aestimum* 35 (1998), pp. 75–94.
- [12] R. **Scarpa**. "Valutazione delle Risorse Ambientali per la Pesca Sportiva da un Modello ad Utilità Stocastica". In: *Genio Rurale* 9 (1998), pp. 46–55.
- [11] R. **Scarpa**, G. Sirchia, and M. Bravi. "Kernel vs Logit Modeling of Single Bounded CV Responses : Valuing Access to Architectural and Visual Arts Heritage in Italy". In: *Environmental Resource Valuation: Applications of the Contingent Valuation Method In Italy*. Ed. by R. Bishop and D. Romano. Amsterdam, The Netherlands: Kluwer Publisher, 1998, pp. 232–244.
- [10] R. **Scarpa**. "Stima dei benefici economici di un piano di bacino col metodo della valutazione contingente: studio di un'applicazione". In: *Genio Rurale* 11 (1997), pp. 38–48.
- [9] R. **Scarpa**. "Gli interventi di mitigazione come misura di impatto ambientale: il caso della 'bretella autostradale Fiano-S.Cesareo". In: *Aestimum* 2 (1996), pp. 191–218.
- [8] R. **Scarpa**. "La lezione di Lakatos agli economisti: una rassegna della metodologia dei programmi di ricerca scientifica in economia". In: *Genio Rurale* 2 (1996), pp. 191–218.
- [7] A. Antinelli and R. **Scarpa**. "La stima della funzione potenziale dell'acqua tramite l'approccio indiretto: un caso di studio". In: *Genio Rurale* 1 (1995), pp. 15–25.
- [6] P. Piozzi and R. **Scarpa**. "Studi di Impatto Ambientale: un'analisi comparata delle prescrizioni e delle norme proposte". In: *Genio Rurale* 2 (1995), pp. 29–38.
- [5] R. **Scarpa**. "Il metodo del prezzo edonico per la stima delle variazioni di benessere per beni pubblici: lo stato dell'arte e l'applicabilità in Italia". In: *Aestimum* 33 (1995), pp. 93–121.

- [4] R. **Scarpa**. "Valutazione di Impatto Ambientale: tra le norme per interventi puntuali ed un approccio olistico". In: *Genio Rurale* 1 (1995), pp. 23–31.
- [3] R. **Scarpa**. "System of National Accounts and Sustainable Development: a review of the issue". In: *Medit* 3 (1993), pp. 24–31.
- [2] R. **Scarpa**. "Valutazione economica dei beni ambientali e procedure di VIA: una prospettiva, la 'cauzione ambientale'". In: *Genio Rurale* 12 (1993), pp. 67–74.
- [1] R. **Scarpa**. "Estensione aziendale e convenienza economica tra conduzione in economia diretta e contoterzismo: un caso di studio". In: *Genio Rurale* 10 (1992), pp. 25–35.

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Insegnamento Universitario

Università della Tuscia, Viterbo, Italy: 1993-2000

1. Rural Estate Appraisal (undergraduate)
2. Introduction to Statistics (undergraduate)
3. Forest Economics and Timber Trade (undergraduate)

University of Newcastle, Newcastle Upon Tyne, UK: 2000-2001

1. Introduction to Statistics for Business & Management (undergraduate)
2. Rural Policy Analysis (undergraduate)

University of York, York, UK: 2001-2005

1. Environmental and Natural Resource Economics (graduate and undergraduate)
2. Environmental Valuation (graduate and undergraduate)

Catholic University of Santiago, Chile: 2006-07

1. Nonmarket valuation of environmental goods (graduate)

University of Waikato, Waikato Management School, Hamilton, NZ: 2005-2020

1. Environmental and Natural Resource Economics (2005-13 graduate and undergraduate lectures)
2. Microeconomics (2009-12 undergraduate lectures)
3. Econometrics (2005-13 graduate & undergraduate lectures)
4. Choice analysis (2012 graduate & workshops)
5. Micro-econometrics (2009-2011 undergraduate, honour students lectures & workshops)
6. Microeconometrics (2016-2018 graduate and undergraduate lectures & workshops)
7. Food & the Consumer (2018-20 undergraduate lectures)
8. Seminars in Agribusiness (2018-20 undergraduate lectures)
9. Advanced Microeconomics (2020 graduate lectures)

Queens University Belfast, Northern Ireland: 2012-2014

1. Introduction to statistics (undergraduate lectures & workshops)

2. Environmental Law and Policy (undergraduate lectures)

Durham Business School, Durham, UK

1. Econometrics (2017-18 graduate workshops & seminars)
2. Natural resource management (2016-18 graduate lectures)
3. Environmental valuation (2016-19 graduate lectures)
4. Environmental Economics and Policy (2016-19 graduate and undergraduate lectures)
5. Statistics for economics (2018-19 undergraduate workshops & seminars)
6. Development economics (2020-21 undergraduate seminars)

Scuole estive & corsi brevi per ricercatori e consulenti

1. Introduction to choice modelling (2006-7 University of Bologna Alma Mater, Bologna, Italy)
2. Advanced choice modelling (2006-7 University of Bologna Alma Mater, Bologna, Italy)
3. Nonmarket valuation (2008 University of Naples 'Federico II', Naples, Italy)
4. Experimental Design for stated choice analysis (2009 University of Trento, Trento, Italy)
5. Nonmarket valuation methods (2015 Bucharest University of Economic Studies, Romania)
6. Choice modelling and experimental design (2017 Michigan State University, East Lansing, USA)
7. Choice modelling for nonmarket valuation (2019 Silk Business School, Shanghai, China)
8. Choice Experiments in Food economics and marketing – advanced methods, (Maggio 2023 – Progetto H2020 “AgriFoodBoost”)
9. Ecosystem Service Valuation Methods (Febbraio 2024 Società Italiana di Economia Agraria, Scuola Invernale, Bologna)

Insegnamenti Attuali

Investment Analysis and Appraisal in the Wine Business (2^{ndo} anno laurea magistrale, dal 2015)

Tipologia delle Imprese Vitivinicole (1^{mo} anno laurea magistrale, dal 2015)

Esercitazioni di Approaches to sustainability in the wine industry (2^{ndo} anno laurea magistrale, dal 2015)

Advanced Quantitative Research Methods (1^{mo} anno Dottorato di Economia Aziendale, dal 2021)

Competenze informatiche

Operating Systems: MacOS, Windows, WinNT, Win2000-pro, WinXP, Ubuntu.

General purpose: MS-Office, LaTeX, Scientific Word.

Statistics and Econometrics: GAUSS, LimDep/Nlogit, SPSS, R, Stata, Stan, Python Biogeme.

Mathematics: Mathematica, Maple, MatLab.

Web-based authoring: HTML, JAVA.

Una selezione di clienti per attività di consulenza

Value of Customer Reliability Survey, Australian Energy Market Operator 2013-14;

Value of water services to residential and business customer Northern Ireland Water, Yorkshire Water, United Utilities 2013;

Consumers' WTP research for undergrounding transmission cables in protected areas in the UK, National Grid, 2013;

Value of lost electricity load, NZ Electricity Authority 2010-13;

Member of the OECD-Groningen team for the consultancy project "On the wings of L'Aquila" following the 2010 earthquake, 2011-2012;

Consultant NEPA Jamaica "biodiversity valuation" 2016;

DG-Regio consultant on the development of impact indicators for development policy, 2012-2013;

Value of Statistical life estimates from car itinerary choices (for the NZ Ministry of Transport, via Covec, Auckland, New Zealand) 2017;

The Centre for International Economics and Woolcott Research & Engagement: Customer Willingness to Pay Survey for Sydney Water, 2018;

Project 'Valmonti' for UNISER srl, Pistoia: A three country survey on Willingness to Pay Survey for high quality hot-dogs, 2018;

Project 'Hydrousa' for ASA, Livorno: Tariff system for off grid water systems, 2019.

Selezione di rapporti di consulenza

2021. Project 'The Cost of Coastal Zone Degradation in Georgia: A Tool for the Coastal Zone Adaptation and the Nationally Determined Contributions', The World Bank, 2021 [Link](#);

2019. Contributor: "Customer willingness to pay Customer-informed IPART submission (CIPA) Phase 2 ", Prepared for Sydney Water by the CIE and Woolcott Research & Engagement.

2018. Contributor: Florio, M., Giffoni, F. "REPORT N.7: Scientific Research at CERN as a Public Good: A Survey to French Citizens", University of Milan, Department of Economics, Management and Quantitative Methods;

2016. Co-author: McNair, B. and Scarpa, R. "Willingness to pay – customer preferences for balancing cost with risks of water supply interruptions and sewer overflows. A report by Icon Water in partnership with University of Waikato."

2014. Author of "Stated choice survey for the value estimate of the customer reliability in the Australian National Electricity Market", Report to the Australian Energy Market Operator, Melbourne, Victoria, Australia;

2013. Co-author of "Policy Making after Disasters: helping regions becoming resilient—The case of post-earthquake Abruzzo", OECD Publishing, available on line at this [Link](#);

2013. Author of "Non-market valuation of integrated water services using a stated preference survey of Northern Ireland customers", Report to the Northern Ireland Water, with Perceptive Insight, Belfast, Northern Ireland;

2012. Author of "Guidance for the Design of Quantitative Survey-Based Evaluation" for Guidance for Evaluating EU cohesion policy, available on line at this [Link](#) ;

Finanziamenti competitivi per la ricerca

Ha gestito approssimativamente EUR2.1mil dalle seguenti fonti:

USDA-Forest Service, US Sea Grant Institute, Environment Agency, International Livestock Research Institute, Forestry Commission, Economic and Social Science Research Council, Natural Environment Research Council, Italian National Research Council, Marsden NZ-Royal Society, N8 Agrifood, DU Seedcorn, FW5 (Human Capital and Mobility, NewExt, Cascade, EconoGene), H2020 (AMBER, SUSFOOD, SOPLAS, SUSTAIN4FOOD)

Servizio come valutatore di proposte di ricerca

American University of Beirut (AUB);

ANVUR, Valutazione della Qualità della Ricerca 2011-2014 round;

EU-FW6: STREPs, IRPs;

EU-FW7: Collaborative Projects Proposals;

EU-H2020: RUR-02 (New approaches towards Policies and governance);

European Research Council, since 2022;

Italian Ministry of Scientific Research and University;

Leverhulme Foundation - various categories;

National Science Centre, Poland (SONATA-BIS);

Executive Agency for Higher Education Research Development and Innovation Funding (UEFISCDI), Romania (Experimental Demonstrative Project Call - PED 2021);

Research Incentive Grant, Carnegie Trust for the Universities of Scotland;

Royal Society of New Zealand, Rutherford Discovery Fellowship (various years);

Swiss National Science Foundation;

The Research Foundation, Flanders (FWO), Belgium (2016);

UK-Economic and Social Science Research Council (2003-5);

University of Crete.

Attività di servizio

Servizio in commissioni di promozione e selezione per posizioni accademiche

2022 Qatar University, University of Leeds

2021 Serra Húnter Programme Selection Process, Selection committees UB, 2nd call 2019, UB-LE-9005: Applied Economics-Economy Dept. Universitat de Barcelona, Spain;

2013-14 Abilitazione Nazionale in Public Economics (OECD country member representative), Italy;

2010, 2022 University of Sydney Business School, New South Wales, Australia;

2022 University of Leeds, U.K.;

2009 University of Waikato Management School, New Zealand.