

SZEKELY-COPÎNDEAN, RALUCA-DIANA

“George Barițiu” Institute of History,
Cluj-Napoca, Romanian Academy

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EDUCATION

M.A. in “Complex data analysis”, Faculty of Sociology and Social Work, Babeș-Bolyai University, Cluj-Napoca, 2023.

PhD in Psychology, Applied Cognitive Psychology Doctoral School, Babeș-Bolyai University, Cluj-Napoca, 2019. Thesis supervisor: Professor Andrei C. Miu. Title: *Moral Decision and Emotion: Roles of Personality, Religiosity and Empathy*.

B. A. in Law, Faculty of Law, Babeș-Bolyai University, Cluj-Napoca, 2014.

M. A. in “Psychological techniques for behavioral control and human potential optimization”, Faculty of Psychology and Educational Sciences, Babeș-Bolyai University, Cluj-Napoca, 2012.

B. A. in Psychology, Faculty of Psychology and Educational Sciences, Babeș-Bolyai University, Cluj-Napoca, 2010.

RESEARCH FIELDS AND MAIN SKILLS

Fields: Cognitive psychology, Cognitive neuroscience, Psychophysiology, Data Science

Skills:

- Data processing and analysis;
- Programming (R, Python and SQL);
- Peripheral physiological data acquisition and processing;
- Translating and adapting self-report measures (questionnaires);
- Experimental tasks setup;
- Academic writing;
- Teaching skills.

RESEARCH AND PROFESSIONAL EXPERIENCE

Researcher - Data scientist - Scientific Collective for Research in Neuroscience, Clinical Psychiatric Hospital “Dr. Gh. Preda”, Sibiu, Romania, 2022 - present.

Researcher (assistant professor level equivalent) – Psychology Group, Department of Social & Human Research, Romanian Academy Cluj-Napoca Branch, 2020 - present.

Research assistant – Psychology Group, Socio-Humanistic Department, Romanian Academy Cluj-Napoca Branch, 2018 - 2020.

Research assistant - Grant PCE, UEFISCDI: “Shame and Guilt in Borderline Personality Disorder. An Emotion Regulation Approach”, 2017 - 2018. Director: A. Szentagotai-Tătar.

Research assistant - Grant PCCE, UEFISCDI: "Genetic and environmental factors in emotion regulation development during adolescence: Implications for anxiety disorders and depression", 2012-2016. Directors: C. MacLeod and A. C. Miu.

Research assistant - Cognitive Neuroscience Laboratory, Department of Psychology, Babeş-Bolyai University, 2008 - present. Supervisor: A. C. Miu, PhD.

TEACHING EXPERIENCE

Teaching assistant, Department of Psychology, "Babeş-Bolyai" University. Since 2016: Introduction to Neuroscience (undergraduate level), taught by prof. Andrei C. Miu. Since 2021: Applied Psychophysiology (master's level), taught by prof. Andrei C. Miu.

SPECIAL SKILLS

Programming skills:

Languages: R, Python, SQL

Training:

- Master's courses (Complex Data Analysis, "Babeş-Bolyai" University, 2021-2023).
- Self-taught. Doctoral research (Applied Cognitive Psychology Doctoral School, "Babeş-Bolyai" University, 2014-2019).

Other skills: Analysis reporting using RMarkdown and Jupyter Notebooks.

Softwares/Platforms: RStudio/Posit, PyCharm, Google Colaboratory, GitHub, Open Science Framework.

Advanced data analysis:

Analytical techniques: mixed effects modeling, time series, structural equation modeling, machine learning

Training:

- Master's courses (Complex Data Analysis, "Babeş-Bolyai" University, 2021-2023).
- Course: "Structural equation modelling and longitudinal analyses in MPlus"; course trainer: dr. Elisabetta Crocetti, Cluj-Napoca, Romania, 21-25 March, 2016.
- Doctoral courses (Applied Cognitive Psychology Doctoral School, "Babeş-Bolyai" University, 2014).

Other skills:

Experimental task setup (OpenSesame, E-Prime, SuperLab, Qualtrics)

Electrophysiological data acquisition (5-year experience operating the Biopac MP150 Data Acquisition System) and analysis (e.g., analysis of ECG and skin conductance recordings using Biopac Acqknowledge Software).

Functional near infrared optical brain imaging (basic knowledge in data acquisition using Biopac fNIR device).

Open Science/Reproducible Science practices (preregistration, reproducible analysis pipelines, registered reports, open materials/data/code).

Academic writing.

SCHOLARSHIPS AND RESEARCH FELLOWSHIPS

Participation Scholarship, Beyond $p < .05$: Modern statistical approaches in psychological science, International Winter School, University of Padova, Italy, 2019.

Research Fellowship, Summer Seminars in Neuroscience and Philosophy, Duke University, USA, 2017.

Doctoral research mobility, University of Oxford; supervisor: prof. Molly Crockett, under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", Oxford, United Kingdom, 1-30 November, 2015.

Doctoral Research Fellowship, Sectoral Operational Programme for Human Resources Development 2007-2013, co-financed by the European Social Fund, under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", 2015.

Student Research Scholarship, Babeş-Bolyai University, Cluj-Napoca, 2011.

PRIZES AND DISTINCTIONS

"Prof. Florian Ştefănescu Goangă" Prize for excellence in doctoral research, 2019.

Prize for "Excellence in research" under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", 2015.

PROFILES

ResearcherID: <https://www.webofscience.com/wos/author/record/L-4926-2019>

Google Scholar: <https://scholar.google.ro/citations?user=pyPn3EIAAAAJ&hl=ro>

ORCID: <https://orcid.org/0000-0001-9076-5573>

BrainMap: <https://www.brainmap.ro/raluca-diana-szekely-copindean>

ResearchGate: <https://www.researchgate.net/profile/Raluca-Szekely-Copindean>

APPENDIX

Publications:

Articles:

Seucan, D. T., **Szekely-Copindean, R. D.**, Ding, X. P., & Visu-Petra, L. (2022). Give and take: A microgenetic study of preschoolers' deceptive and prosocial behavior in relation to their socio-cognitive development. *Acta Psychologica*, 230, 103714.

Bago, B., Kovacs, M., Protzko, ... **Szekely-Copindean, R. D.** ... *et al.* (2022). Situational factors shape moral judgements in the trolley dilemma in Eastern, Southern and Western countries in a culturally diverse sample. *Nature Human Behaviour* 6, 880–895.

Miu, A. C., Cărnuță, M., Vulturar, R., **Szekely-Copindean, R. D.**, Bîlc, M. I., Chiş, A., Cioară, M., Fernandez, K. C., Szentágotai-Tătar, A. and Gross, J. J. (2017). BDNF Val66Met Polymorphism Moderates the Link Between Child Maltreatment and Reappraisal Ability. *Genes, Brain and Behavior* 16, 419–426.

Szekely, R. D. & Miu, A.C. (2015). Religiosity enhances emotion and deontological choice in moral dilemmas. *Personality and Individual Differences* 79, 104-109.

Szekely, R.D. & Miu, A.C. (2015). Incidental emotions in moral dilemmas: The influence of emotion regulation. *Cognition and Emotion*, 29(1), 64-75 .

Crișan, L.G., Pană,S., Vulturar,R., Heilman,R.M., **Szekely, R.**, Drugă,B., Dragoș, N. & Miu, A.C. (2009). Genetic contributions of the serotonin transporter to social learning of fear and economic decision making. *Social Cognitive and Affective Neuroscience* 4(4), 399-408.

Other:

Szekely, R. (2013). General configurations of discernment in the Romanian civil law. *Studia Iurisprudentia* 4, 200-230.

Chapters:

Szekely-Copîndean, R. D. (2019). Considerații practice asupra discernământului în dreptul civil roman (engl., *Practical considerations regarding the discernment in Romanian civil law*). In *Annual Review of the Department of Social and Human Research*, „George Barițiu” Institute of History, Series Humanistica, pp. 255-268.

Szekely-Copîndean, R. D. (2019). Distorsiuni ale judecăților morale (engl., *Moral judgment biases*). In A. Holman & S. Boncu (Eds). *Cum gândim în viața de zi cu zi?* (engl., *How do we think in everyday life?*) (pp. 154-164). Polirom, Romania.

Szekely, R. D. & A. C. Miu (2015). Bridging cognition and emotion in moral decision making: Role of emotion regulation. În M. L. Bryant (Ed.): *Handbook of Emotion Regulation: Processes, Cognitive Effects and Social Consequences*. Nova Science, USA.

Miu, A.C., Pană, S., Matei, A., **Szekely, R.**, Băbălai, A. (2008). What is neuroscience? A century after Gheorghe Marinescu's *La Cellule Nerveuse*. In D. L. Dumitrașcu, C. Hoțoleanu (Eds.): *Neurosciences. Clinical applications of recent knowledge* (pag. 10-40). Editura Medicală Universitară Iuliu Hațieganu, Cluj-Napoca.

Conferences:

Szekely-Copîndean, R. D. (2021). *Do emotions dynamically amplify moral judgments? A study proposal*. Annual Meeting of the Department of Social and Human Research, Psychology Group, „Cogniție, Afectivitate, Identitate, Moralitate” (engl., *Cognition, Affect, Identity, Morality*) Symposium, “George Barițiu” Institute of History, Romanian Academy, Cluj-Napoca Branch, Romania.

Dumbravă, A., **Szekely-Copîndean, R. D.**, Marcu, G. M., & Isloi, B. C. (2021). *A large scale replication of the trolley dilemma: exploring the role of personal force and intention in moral dilemma judgements*. Annual Meeting of the Department of Social and Human Research, Psychology Group, „Cogniție, Afectivitate, Identitate, Moralitate” (engl., *Cognition, Affect, Identity, Morality*) Symposium, “George Barițiu” Institute of History, Romanian Academy, Cluj-Napoca Branch, Romania.

Seucan, D., **Szekely-Copîndean, R. D.**, Ding, X. P., Visu-Petra, L. (2021). *A microgenetic study of preschoolers' deceptive and moral behavior. Links with theory of mind*. Biannual conference of the Society for Research in Child Development (online).

- Seucan, D. T., **Szekely-Copîndean, R.D.**, & Visu-Petra, L. (2020). *Judecata morală a preșcolarilor în relație cu luarea perspectivei în plan cognitiv și afectiv*. Annual Meeting of the Department of Social and Human Research, Psychology Group, "George Barițiu" Institute of History, Romanian Academy, Cluj-Napoca Branch, Romania.
- Faiciuc, L. & **Szekely-Copîndean, R. D.** (2019). *The relationship between difficulties in emotion regulation, meta-emotions and emotion regulation goals (performance and learning goals)*. Annual Meeting of the Department of Social and Human Research, Psychology Group, „Cogniție, Afectivitate, Identitate, Moralitate” (engl., *Cognition, Affect, Identity, Morality*) Symposium, "George Barițiu" Institute of History, Romanian Academy, Cluj-Napoca Branch, Romania.
- Szekely-Copîndean, R. D.**, Bostan, C. M., Ion, A., Cioară, M., Constantin, T., & Miu, A. C. (2018). *Big Five Personality Traits and Moral Dilemmas: Contributions of Agreeableness and Conscientiousness*. 1st Annual Doctoral Conference in Psychology and Educational Sciences, Iași, Romania.
- Szekely, R. D.** & Miu, A. C. (2017). *Moral judgment and moral choice: the effects of personality traits*. 18th General meeting of the European Association of Social Psychology, Granada, Spain.
- Szekely, R. D.** & Miu, A. C. (2017). *Big Five personality traits and moral decisions: Distinctions between judgment and choice*. International Convention of Psychological Science, Vienna, Austria.
- Szekely, R. D.** & Miu, A. C. (2016). *Personality in moral judgment and moral choice*. Cognitive and Neural Mechanisms of Human Memory, Cluj-Napoca, Romania.
- Szekely, R. D.**, Chiș, A., Vulturar, R., & Miu, A. C. (2015). *Genetic influences and childhood trauma in moral decision making*. International Convention of Psychological Science, Amsterdam, The Netherlands.
- Szekely, R. D.** (2014). *Measuring subjective experience*. Workshop "Emotion induction and assessment", "Implicit Cognition" Summer School, Cluj-Napoca, Romania.
- Szekely, R. D.** & Miu, A. C. (2014). *Emotions in moral dilemmas: Reappraisal promotes utilitarian choices*. 35th Stress and Anxiety Research Society Conference, Cluj-Napoca, Romania.
- Szekely, R. D.** & Miu, A.C. (2012). *Emotions in moral dilemmas: Relations to emotion regulation, empathy, and religious values*. Attention and executive functioning in high-trait anxiety. Implications for cognitive and academic performance - Exploratory Workshop, Cluj-Napoca, Romania.
- Szekely, R. D.** & Miu, A. C. (2012). *Emotion regulation in high-conflict personal moral dilemmas*. ESF-FENS Conference "The Neurobiology of Emotion", Stresa, Italy.

Szekely, R. D. & Miu, A. C. (2012). *Individual differences and emotion in moral decision-making*. The 5th International Congress of Psychology “Modern psychological research”, Sibiu, Romania.

Heilman, R. M., Pană, S. E., **Szekely, R. D.**, Miu, A. C., & Benga, O. (2008). *Decision-making under uncertainty, declarative learning, and emotional development in 3- and 4-year-old children*. 6th FENS Forum of European Neuroscience, Geneva, Switzerland.

Heilman, R. M., Pană, S. E., **Szekely, R. D.**, Benga, O. & Miu, A. C. (2008). Decizia in condiții de risc la copii de 3 și 4 ani (engl., *Decision-making under risk in 3- and 4-year-old children*). National Psychology Conference, Timișoara, Romania.

Other activities:

International research networks:

Member of the Collaborative Open-science and Meta REsearch (CORE) Team, (<https://mgto.org/core-team/>).

Member of the *Psychological Science Accelerator* (<https://psysciacc.org/>).

Editorial activity:

Associate editor, *Cognition, Brain, Behavior. An Interdisciplinary Journal*, Romania, 2022-present.

Ad-hoc reviewer: *Personality and Social Psychology Bulletin, Journal of Personality and Social Psychology, Thinking and Reasoning, Frontiers in Psychology, Cognition, Brain, Behavior. An Interdisciplinary Journal*