

C V: Emmanuel M. Pothos

History

1992 –1995: Physics BSc (First Class), Imperial College.
 1995 – 1998: Experimental Psychology DPhil, University of Oxford.
 1998 – 2006: Lectureships in University of Wales, Bangor, University of Edinburgh, University Crete, and Swansea University.
 Sept. 2006 – May 2012: Senior Lecturer, then Reader Department of Psychology, Swansea University.
 June 2012 – Oct 2014: Senior Lecturer, Department of Psychology, City University London.
 Jan 2017 – Jan 2020: Head of Department, Psychology, City University London.
 Oct 2014 – present: Professor, Department of Psychology, City University London.

Distinctions

1993: **Bursary offered by the Shell Company** to Imperial College Physics undergraduates for "outstanding academic achievement."
 1994: **Stanley Raimés Memorial Prize**, offered by the Imperial College Mathematics department for "outstanding performance in first and second year mathematics."

1995: Medical Research Council Studentship.
 1996: St Peter's College Oxford—Bodossaki Foundation Graduate Scholarship in Science.
 1996: A. S. Onasis Scholarship for Postgraduate studies.
 2012: **Research Staff Prize from City University London**, for my work on modeling decision making with quantum theory. The prize scheme seeks to recognize and reward exceptional research-related achievement.
 2022: Allan McNeill best poster prize at the 19th annual conference of the British Psychological Society Cognitive Section. Title: The riddle of human probability judgments: bridging the gap between internal estimates and responses; authors: Zo Ebelt, Adam Huang, Jerome Busemeyer, and Emmanuel Pothos.

Head of Department and other major admin service

- *Head of Psychology Department January 2017 to January 2020 (pre-agreed 3 year term).
- *Oversaw significant student growth (from ~115FTE per year to ~220FTE in the BSc programmes in 3 years) and staff recruitment (~15 FTE appointments in 3 years)
- *REF lead for REF2014.
- *Workload model for the Psychology Department.
- *Academic Performance Framework for the Psychology Department.
- *Programme planning contribution for MSc in Behavioral Economics.
- *British Psychological Society Accreditation and Staff-Student-Ratio management.
- *Coordinated the business case and implementation for new Psychology Laboratories in 2019 (~£500k investment).
- *Oct 2019 – present: External examiner for the BSc in Psychology, Sussex University,

Graduated PhD students

Prince Kouassi (co-supervised with James Yearsley) completed in 2022. Title: Evidence accumulation model insights into cognitive processes.
Oliver Waddup completed in 2022. Title: A quantum approach to human decision making.
Shaima Alghamdi completed in 2022. Title: Data-driven modelling of unhealthy Snacking behaviour.
Stephen Cantarutti completed in 2021. Title: Behaviours in health: assessing trust and attentional bias in health-related contexts.
Albert Barque-Duran completed in 2016. Title: Dissertations on decision-making: similarity, constructive judgments, morality and social dilemmas.
Lee C. White completed in 2014. Title: The constructive influence of affect on judgment and decision making.

Thomas D. W. Wilcockson completed in 2013. Title: Exploring substance abuse: Factors affecting attentional biases and automaticity.

Darren J. Edwards completed in 2010. Title: Spontaneous and relative categorization.

Research Funding

2022: E. M. Pothos, J. M. Yearsley, & J. R. Busemeyer: 36 month Air Force Office of Scientific Research, Air Force Material Command, USAF grant to study "Limitations in bounded rational agents." Value: **£163,895**.

2018: E. M. Pothos, P. Blasiak, & B. W. Wojciechowski: 36 month Office of Naval Research Global (ONRG) grant to study "Anticipating decisions and Bell's bound." Value: **£115,613**.

2016: E. M. Pothos, J. R. Busemeyer, & R. M. Shiffrin: 24 month Leverhulme Trust grant to study "A quantum approach to decision making in Bernoulli's St. Petersburg's paradox." Value: **£111,895**.

2016: I. Basieva & E. M. Pothos: 24 month Horizon 2020 Marie Curie Fellowship to study "Quantum decision making." Value: **£147,398**.

2013: E. M. Pothos: 36 month Air Force Office of Scientific Research, Air Force Material Command, USAF grant to study "The constructive role of decisions: implications from a quantum approach." Value: **£144,023**.

2013: E. M. Pothos, J. R. Busemeyer, J. Trueblood, & J. A. Hampton: 24 month Leverhulme Trust grant to study "Quantum similarity: harnessing the flexibility of human similarity judgment." Value: **£98,962**.

2009: K. Tapper & E. M. Pothos: 12 month Nuffield Foundation grant to study "Thinking about food: effects on food-related attentional bias." Value: **£7,366**

2008: E. M. Pothos, K. Singh, & G. Perry: 5 month WICN grant to study "The time course of decision making: An MEG study." Value: **£11,326**.

2008: W. M. Cox, J. S. Fadardi, D. Linden, & E. M. Pothos: 5 month WICN grant to study "Heavy and light drinkers' brain reactions to alcohol, emotional, and concern-related stimuli." Value: **£13,580**.

2007: K. Tapper, A. Lawrence & E. M. Pothos: 3 month WICN grant to study "Development and comparison of measures of food-related attentional bias." Value: **£2,965**.

2006: E. M. Pothos: 24 month ESRC grant on "A simplicity model of concept difficulty" Value: **£90,457**.

2005: E. M. Pothos & K. Tapper: 24 month Welsh Assembly grant on "Does pre-occupation with body shape / food lead to overeating?" Value: **£67,169**.

2005: K. Tapper & E. M. Pothos: 9 month Nuffield Foundation grant on "Effects of two ideation strategies on children's ability to delay gratification." Value: **£7,187**.

2005: W. M. Cox, J. S. Fadardi, S. G. Hosier, & E. M. Pothos: 36 month ESRC grant to study "Effects of attentional and motivational training on reducing excessive drinking." Value: **£249,942**.

2005: D. Mareschal et al.: 36 month STREP EU grant to study "From associations to rules in the development of concepts". Five partner collaboration, total value: £880,535; share to E. M. Pothos, U. Hahn, & T. M. Bailey: **£94,825**.

2001: W. M. Cox & E. M. Pothos: 30 month ESRC grant to study "Determinants of alcohol abusers' success in changing" Value: **£128,132**.

2001: E. M. Pothos: Six month Nuffield Foundation grant to study "Learning deficits associated with dyslexia" Value: **£5,110**.

2001: E. M. Pothos: Royal Society Equipment grant to study "Spontaneous grouping in humans" Value: **£5,714**.

1999: E. M. Pothos & U. Hahn: Grant from the University of Wales Academic Support Fund on "Do concepts have necessary features?" Value: **£11,073**.

1999: U. Hahn & E. M. Pothos: Four month Nuffield Foundation grant on "The role of similarity in rule application." Value: **£5,235**.

1998: E. M. Pothos & N. Chater: Twelve month ESRC research grant to study "An information theory model of categorization." Value: appr. **£38,000**.

Books

Atmanspacher, H., Filk, T., & Pothos, E. M. (Eds.) (2016). Proceedings of the 2015 Quantum Interaction Conference, Filzbach, Switzerland. Springer.

Pothos, E. M. & Wills, A. J. (Eds.; 2011). *Formal approaches in categorization*. Cambridge University Press.

This volume aims to be the definitive guide to formal categorization models. It includes contributions from some of the preeminent categorization researchers, such as Medin, Nosofsky, Ashby, Griffiths, Chater, Tenenbaum, Murphy, Kruschke, McClelland and many others.

Pothos, E. M. & Economou, E. (2010). *Topics in cognitive psychology*. Gutenberg. (in Greek)

This is an introductory textbook covering a range of core cognitive psychology topics. It is suitable for second or third year undergraduate psychology students.

Public Engagement

Conversation article on “Why so few UK homes are installing air-source heat pumps – and how to encourage take-up.” E M. Pothos and L. C. White, 2023.

Journal publications

Google Scholar citations: 7025; H-index: 40

1. Widdows, D., Rani, J., & Pothos, E. M. (in press). Quantum circuit components for cognitive decision-making. **Entropy**.
2. Waddup, O. J., Yearsley, J. M., Blasiak, P., & Pothos, E. M. (in press). Temporal Bell inequalities in cognition. **Psychonomic Bulletin & Review**.
3. Gallus, C., Pothos, E. M., Blasiak, P., Yearsley, J. M., & 10. Wojciechowski, B. (in press). Bell correlations outside physics. **Scientific Reports**.
4. Epping, G., Fisher, E. L., Zeleznikov-Johnston, A. M., Pothos, E. M., & Tsuchiya, N. (2023). A quantum geometric framework for modeling color similarity judgments. **Cognitive Science**, e13231.
5. Cantarutti, S. & Pothos, E. M. (in press). Trust during COVID-19: Which factors matter most? **Psychology, Health & Medicine**.
6. Gallus, C., Blasiak, P., & Pothos, E. M. (2022). Quantifying and interpreting connection strength in macro- and microscopic systems: Lessons from Bell’s approach. **Entropy**, 24, 364.
7. Pothos, E. M. & Busemeyer, J. M. (2022). Quantum cognition. **Annual Review of Psychology**, 73, 749-778.
8. Rosner, A., Basieva, I., Barque-Duran, A., Glöckner, A., von Helversen, B., Khrennikov, A., & Pothos, E. M. (2022). Ambivalence in cognition. **Cognitive Psychology**, 134, 101464.
9. Waddup, O., Blasiak, P., Yearsley, J. M., Wojciechowski, B. W., & Pothos, E. M. (2021). Sensitivity to context in human interactions. **Mathematics**, 9, 2784.
10. Pothos, E. M. & Pleskac, T. J. (2022). Rethinking rationality. **Topics in Cognitive Science**, 14, 451-466.
11. Cantarutti, S. & Pothos, E. M. (2021). How healthcare structures and communication delivery influence trust: a parallel-group randomized control trial. **Journal of Public Health**, doi: 10.1007/s10389-021-01620-z.
12. Wojciechowski, B. W., Izydorczyk, B., Blasiak, P., Yearsley, J. M., White, L. C., & Pothos, E. M. (2022). Constructive biases in clinical judgment. **Topics in Cognitive Science**, 14, 508-527.
13. Yearsley, J. M., Pothos, E. M., Barque-Duran, A., Trueblood, J. S., & Hampton, J. A. (2022). Context effects in similarity judgments. **Journal of Experimental Psychology: General**, 151, 711-717.
14. Blasiak, P., Pothos, E. M., Yearsley, J. M., Gallus, C., & Borsuk, E. (2021). Violations of locality and free choice are equivalent resources in Bell experiments. **Proceedings of the National Academy of Sciences**, 118, e2020569118.
15. Pothos, E. M., Waddup, O., Kouassi, P., & Yearsley, J. M. (2021). What is rational and irrational in human decision making. **Quantum Reports**, 3, 242-252.

16. Wilcockson, T. D. W., Pothos, E. M., Osborne, A. M., Crawford, T. J. (2021). Top-down and bottom-up attentional biases for smoking-related stimuli: comparing dependent and non-dependent smokers. *Addictive Behaviors*, 118, 106886.

17. Pothos, E. M., Lewandowsky, S., Basieva, I., Barque-Duran, A., Tapper, K., & Khrennikov, A. (2021). Information overload for (bounded) rational agents. *Proceedings of the Royal Society B*, 288, 20202957.

18. Barque-Duran, A. & Pothos, E. M. (2021). Untangling Decision Routes in Moral Dilemmas: The Refugees' Dilemma. *American Journal of Psychology*, 134, 143-166.
19. Laasonen, M., Lahti-Nuuttila, P., Leppamäki, S., Tani, P., Wikgren, J., Harno, H., Oksanen-Hennah, H., Pothos, E. M., Cleeremans, A., Dye, M. W. G., Cousineau, D., & Hokkanen, L. (2020). Project DyAdd: Nonlinguistic theories of dyslexia predict intelligence. *Frontiers Human Neuroscience*, 10.3389/fnhum.2020.00316.
20. White, L. C., Pothos, E. M., & Jarrett, M. (2020). The cost of asking: how evaluations bias subsequent judgments. *Decision*, 7, 259-286.
21. Atmanspacher, H., Basieva, I., Busemeyer, J., Khrennikov, A., Pothos, E., Shiffrin, R., & Wang, Z. (2020). What are the appropriate axioms of rationality for reasoning under uncertainty with resource-constrained systems? *Behavioral and Brain Sciences*, 43, E2.

22. Broekaert, J. B., Busemeyer, J. R., & Pothos, E. M. (2020). The disjunction effect in two-stage simulated gambles. An experimental study and comparison of a heuristic logistic, Markov and quantum-like model. *Cognitive Psychology*, 117, 101262.

23. Wilcockson, T.D.W., Pothos, E.M., & Cox, W.M. (2020). An online cognitive bias task: The Rough Estimation Task using Qualtrics. *Behavioural Pharmacology*, 31, 97-101.
24. Pothos, E. M., Basieva, I., Khrennikov, A., & Yearsley, J. M. (2019). Perspectives on correctness in probabilistic inference from psychology. *The Spanish Journal of Psychology*, 22, E55.
25. Laasonen, M., Smolander, S., Lahti-Nuuttila, P., Leminen, M., Lajunen, H., Heinonen, K. Pesonen, A., Bailey, T. M., Pothos, E. M., Kujala, T., Leppänen, P., Bartlett, C. W., Geneid, A., Lauronen, L., Service, E., Kunnari, S., & Arkkila, E. (2018). Understanding developmental language disorder – the Helsinki longitudinal SLI study (HelSLI): a study protocol. *BMC Psychology*, 6:24.
26. Mistry, P. K., Pothos, E. M., Vandekerckhove, J., & Trueblood, J. S. (2018). A quantum probability account of individual differences in causal reasoning. *Journal of Mathematical Psychology*, 87, 76-97.
27. Khrennikov, A., Basieva, I., Pothos, E. M., & Yamato, I. (2018). Quantum probability in decision making from quantum information representation of neuronal states. *Scientific Reports*, 8, 16225.
28. Wilcockson, T. D. W., Pothos, E. M., & Parrott, A. C. (2019). Substance usage intention does not affect attentional bias: implications from Ecstasy/MDMA users and alcohol drinkers. *Addictive Behaviors*, 88, 175-181.
29. Asano, M., Basieva, I., Pothos, E. M., & Khrennikov, A. (2018). State entropy and differentiation phenomenon. *Entropy*, 20, 394-408.
30. Khrennikov, A., Bagarello, F., Basieva, I., & Pothos, E. M. (2018). Quantum like modelling of decision making: quantifying uncertainty with the aid of the Heisenberg-Robertson inequality. *Journal of Mathematical Psychology*, 84, 49-56.
31. Wojciechowski, B. W. & Pothos, E. M. (2018). Is there a conjunction fallacy in legal probabilistic making? *Frontiers in Psychology*, 9, article 391.
32. Basieva, I., Khrennikova, P., Pothos, E. M., Asano, M., & Khrennikov, A., (2018). Quantum-like model of subjective expected utility. *Journal of Mathematical Economics*, 78, 150-162.
33. Lea, S. E. G., Pothos, E. M., Wills, A. J., Leaver, L. A., Ryan, C. M. E., & Meier, C. (2018). Multiple feature use in pigeons' category discrimination: The influence of stimulus set structure and the salience of stimulus differences. *Journal of Experimental Psychology: Animal Learning and Cognition*, 44, 114-127.
34. Broekaert, J., Basieva, I., Blasiak, P., & Pothos, E. M. (2017). Quantum-like dynamics applied to cognition: A consideration of available options. *Proceedings of the Royal Society A*, 375, 20160387.
35. Barque-Duran, A., Pothos, E. M., Hampton, J. A., & Yearsley, J. M. (2017). Contemporary morality: moral judgments in digital contexts. *Computers in Human Behavior*, 75, 184-193.

36. Trueblood, J. S., Yearsley, J. M., & Pothos, E. M. (2017). A quantum probability framework for human probabilistic inference. *Journal of Experimental Psychology: General*, 146, 1307-1341.

37. Yearsley, J. M., Barque-Duran, A., Scerrati, E., Hampton, J. A., & Pothos, E. M. (2017). The triangle inequality constraint in similarity judgments. *Progress in Biophysics and Molecular Biology*, 130, 26-32.

38. Pothos, E. M., Busemeyer, J. R., Shiffrin, R. M., & Yearsley, J. M. (2017). The rational status of quantum cognition. *Journal of Experimental Psychology: General*, 146, 968-987.

39. Hoffman, Y. S. G., Perlman, A., Orr-Urtreger, B., Tzelgov, J., Pothos, E. M., & Edwards, D. J. (2017). Unitization of route knowledge. *Psychological Research*, 81, 1241-1254.

40. Basieva, I., Pothos, E. M., Trueblood, J., Khrennikov, A., & Busemeyer, J. R. (2017). Quantum probability updating from zero priors (by-passing Cromwell's rule). *Journal of Mathematical Psychology*, 77, 58-69.

41. Perlman, A., Hoffman, Y., Tzelgov, Y., Pothos, E. M., & Edwards, D. J. (2016). The notion of contextual locking: inaccessibility to previously learnt items when appearing in a different context. *Quarterly Journal of Experimental Psychology*, 69, 410-431.

42. Yearsley, J. M. & Pothos, E. M. (2016). Zeno's paradox in decision making. *Proceedings of the Royal Society B*, 283, 20160291.

43. Wilcockson, T. D. W. & Pothos, E. M. (2016). How cognitive biases can distort environmental statistics: introducing the Rough Estimation Task. *Behavioral Pharmacology*, 27, 165-172.

44. Conway, M. A., Pothos, E. M., & Turk, D. J. (2016). The self-relevance system? *Cognitive Neuroscience*, 7, 20-21.

45. Wilcockson, T. D. W., Pothos, E. M., & Fawcett, A. (2016). Dyslexia and substance use in a university undergraduate population. *Substance Use and Misuse*, 51, 15-22.

46. White, L. C., Barque-Duran, A., & Pothos, E. M. (2015). An investigation of a quantum probability model for the constructive effect of affective evaluation. *Philosophical Transactions of the Royal Society A*, 374, 20150142.

47. Cox, W. M., Fadardi, J. S., Hosier, S. G., & Pothos, E. M. (2015). Differential effects and temporal course of attentional and motivational training on excessive drinking. *Experimental and Clinical Psychopharmacology*, 23, 445-454.

48. Barque-Duran, A., Pothos, E. M., Yearsley, J. M., & Hampton, J. A. (2015). Patterns and evolution of moral behavior: moral dynamics in everyday life. *Thinking & Reasoning*, 22, 31-56.

49. Pothos, E. M., Barque-Duran, A., Yearsley, J. M., Trueblood, J. S., Busemeyer, J. R., & Hampton, J. A. (2015). Progress and current challenges with the Quantum Similarity Model. *Frontiers in Psychology*, 6, 205.

50. Wilcockson, T. D. W. & Pothos, E. M. (2015). The automatic nature of habitual goal-state activation in substance use; implications from a dyslexic population. *Journal of Substance Use*, 21, 244-248.

51. Wilcockson, T. D. W. & Pothos, E. M. (2015). Measuring inhibitory processes for alcohol-related attentional biases: Introducing a novel attentional bias measure. *Addictive Behaviors*, 44, 88-93.

52. Pothos, E. M. & Trueblood, J. S. (2015). Structured representations in a quantum probability model of similarity. *Journal of Mathematical Psychology*, 64, 35-43.

53. White, L. C., Pothos, E. M., & Busemeyer, J. R. (2015). Insights from quantum cognitive models for organizational decision making. *Journal of Applied Research in Memory and Cognition*, 4, 229-238.

54. Busemeyer, J. R., Wang, J., Pothos, E. M., & Trueblood, J. S. (2015). The conjunction fallacy, confirmation, and quantum theory: comment on Tentori, Crupi, & Russo (2013). *Journal of Experimental Psychology: General*, 144, 236-243.

55. Ziori, E., Pothos, E. M., & Dienes, Z. (2014). Role of prior knowledge in implicit and explicit learning of artificial grammars. *Consciousness & Cognition*, 28, 1-16.

56. White, L. C., Pothos, E. M., & Busemeyer, J. R. (2014). Sometimes it does hurt to ask: the constructive role of articulating impressions. *Cognition*, 133, 48-64.

57. Trueblood, J. S., Pothos, E. M., & Busemeyer, J. R. (2014). Quantum probability theory as a common framework for reasoning and similarity. *Frontiers in Cognitive Science*, 5.

58. Pothos, E. M. & Reppa, I. (2014). The fickle nature of similarity change as a result of categorization. *The Quarterly Journal of Experimental Psychology*, 67, 2425-2438.

59. Yearsley, J. M. & Pothos, E. M. (2014). Challenging the classical notion of time in cognition: a quantum perspective. *Proceedings of the Royal Society B*, 281, 1471-1479.

60. Pothos, E. M. & Busemeyer, J. R. (2014). In search for a standard of rationality. *Frontiers in Cognitive Science*, 5, 1-3.

61. Pothos, E. M., Shiffrin, R. M., & Busemeyer, J. R. (2014). The dynamics of decision making when probabilities are vaguely specified. *Journal of Mathematical Psychology*, 59, 6-17.

62. Laasonen, M., Vare, J., Oksanen-Hennah, H., Leppamaki, S., Tani, P., Harno, H., Hokkanen, L., Pothos, E. M., & Cleeremans, A. (2014). DyAdd: implicit learning in adult dyslexia and ADHD. *Annals of Dyslexia*, 64, 1-33.

63. Pothos, E. M., Busemeyer, J. R., & Trueblood, J. S. (2013). A quantum geometric model of similarity. *Psychological Review*, 120, 679-696.

64. Wang, Z., Busemeyer, J. R., Atmanspacher, H., & Pothos, E. M. (2013). The potential of using quantum theory to build models of cognition. *Topics in Cognitive Science*, 5, 672-688.

65. Blutner, R., Pothos, E. M., & Bruza, P. (2013). A quantum probability perspective on borderline vagueness. *Topics in Cognitive Science*, 5, 1-26.

66. Pinhas, M., Pothos, E. M., & Tzelgov, Y. (2013). Zooming in and out from the mental number line: evidence for a number range effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39, 972-976.

67. Pothos, E. M. & Busemeyer, J. R. (2013). Can quantum probability provide a new direction for cognitive modeling? *Behavioral & Brain Sciences*, 36, 255-327. (target article) [Web of Science rank 200/7480 in the category Psychology Biological, for 2010- 2014 period.](#)

68. Wills, A. J. & Pothos, E. M. (2012). On the adequacy of Bayesian evaluations of categorization models: Reply to Vanpaemel & Lee (2012). *Psychological Bulletin*, 138, 1259-1261.

69. Close, J. & Pothos, E. M. (2013). "Object categorization: reversals and explanations of the basic-level advantage" (Rogers & Patterson, 2007): a simplicity account. *Quarterly Journal of Experimental Psychology*, 65, 1615-1632.

70. Busemeyer, J. R. & Pothos, E. M. (2012). Social projection and a quantum approach for behavior in Prisoner's Dilemma. *Psychological Inquiry*, 23, 28-34.

71. Edwards, D. J., Pothos, E. M., & Perlman, A. (2012). Relational vs. absolute representation in categorization. *American Journal of Psychology*, 125, 481-497.

72. Perlman, A., Hahn, U., Edwards, D. J., & Pothos, E. M. (2012). Further attempts to clarify the importance of category variability for categorization. *Journal of Cognitive Psychology*, 24, 203-220.

73. Wills, A. J. & Pothos, E. M. (2012). On the adequacy of current empirical evaluations of formal models of categorization. *Psychological Bulletin*, 138, 102-125.

74. Pothos, E. M., Perlman, A., Bailey, T. M., Kurtz, K., Edwards, D. J., Hines, P., & McDonnell, J. V. (2011). Measuring category intuitiveness in unconstrained categorization tasks. *Cognition*, 121, 83-100.

75. Milton, F. & Pothos, E. M. (2011). Category structure and the two learning systems of COVIS. *European Journal of Neuroscience*, 34, 1326-1336.

76. Pothos, E. M. & Busemeyer, J. R. (2011). Formalizing heuristics in decision-making: a quantum probability perspective. *Frontiers in Cognition*, 2, 1-3.

77. Pothos, E. M. & Busemeyer, J. R. (in press). Open peer commentary. The fallacy of normativism: falling in love with ourselves. A case for limited prescriptive normativism. *Behavioral and Brain Sciences*.

78. Pothos, E. M., Edwards, D. J., & Perlman, A. (2011). Supervised vs. unsupervised categorization: Two sides of the same coin? *Quarterly Journal of Experimental Psychology*, 64, 1692-1713.

79. Busemeyer, J. R., Pothos, E. M., Franco, R., & Trueblood, J. (2011). A quantum theoretical explanation for probability judgment errors. *Psychological Review*, 118, 193-218.

80. Pothos, E. M., Perry, G., Corr, P. J., Matthew, M., & Busemeyer, J. R. (2011). Understanding cooperation in the Prisoner's Dilemma game. *Personality and Individual Differences*, 51, 210-215.

81. Pothos, E. M. (2010). An entropy model for Artificial Grammar Learning. *Frontiers in Cognitive Science*, 1, 1-13.

82. Tapper, K., Pothos, E. M., & Lawrence, A. D. (2010). Feast your eyes: hunger and trait reward drive predict attentional bias for food cues. *Emotion*, 10, 949-954.
83. Calitri, R., Pothos, E. M., Tapper, K., Brunstrom, J. M., & Rogers, P. J. (2010). Cognitive biases to healthy and unhealthy food words predict change in BMI. *Obesity*, 18, 2282-2287.
84. Pothos, E. M., Hahn, U., & Prat-Sala, M. (2010). Contingent necessity vs. logical necessity in categorization. *Thinking & Reasoning*, 16, 45-65.
85. Tapper, K. & Pothos, E. M. (2010). Development and validation of a food preoccupation questionnaire. *Eating Behaviors*, 11, 45-53.
86. Hahn, U., Prat-Sala, M., Pothos, E. M., & Brumby, D. (2010). Exemplar similarity and rule application. *Cognition*, 114, 1-18.
87. Kosnes, L., Pothos, E. M., & Tapper, K. (2010). Increased affective influence: situational complexity or deliberation time? *American Journal of Psychology*, 123, 29-38.
88. Pothos, E. M. & Tapper, K. (2010). Inducing a Stroop effect. *Applied Cognitive Psychology*, 24, 1021-1033.
89. Perlman, A., Pothos, E. M., Edwards, D. J., & Tzelgov, J. (2010). Task-relevant chunking in sequence learning. *Journal of Experimental Psychology: Human Perception and Performance*, 36, 649-661.
90. Nikolopoulos, D. S. & Pothos, E. M. (2009). Dyslexic participants show intact spontaneous categorization processes. *Dyslexia*, 15, 167-186.
91. Pothos, E. M. & Wood, R. L. (2009). Separate influences in learning: evidence from artificial grammar learning with traumatic brain injury patients. *Brain Research*, 1275, 67-72.
92. Pothos, E. M., Tapper, K., & Calitri, R. (2009). Cognitive and behavioral correlates of BMI among male and female undergraduate students. *Appetite*, 52, 797-800.
93. Pothos, E. M. & Busemeyer, J. R. (2009). A quantum probability explanation for violations of 'rational' decision theory. *Proceedings of the Royal Society B*, 276, 2171-2178.
94. Pothos, E. M. & Bailey, T. M. (2009). Predicting category intuitiveness with the rational model, the simplicity model, and the Generalized Context Model. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 35, 1062-1080.
95. Pothos, E. M., Hahn, U., & Prat-Sala, M. (2009). Similarity chains in the transformational paradigm. *European Journal of Cognitive Psychology*, 21, 1100-1120.
96. Pothos, E. M., Calitri, R., Tapper, K., Brunstrom, J. M., & Rogers, P. J. (2009). Comparing measures of cognitive bias relating to eating behavior. *Applied Cognitive Psychology*, 23, 936-952.
97. Visser, I., Raijmakers, M. E. J., & Pothos, E. M. (2009). Individual strategies in artificial grammar learning. *American Journal of Psychology*, 122, 293-307.
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Courses taught

- **Research design and analysis – at City, Edinburgh, Bangor**

T-test, ANOVA and multiple comparisons, linear and multiple regression, chi-squared and likelihood ratio tests, power, clustering, multidimensional scaling, introductory factor analysis, introductory ANCOVA

- **Foundations of rational choice (MSc) – at City**

An introduction to the dominant frameworks for understanding rational choice.

- **Learning and categorization – at City, Swansea**

Basic theories of categorization (classical view, exemplar similarity, prototype similarity, theory view), basic theories of learning (rules, similarity, associative learning); related topics.

- **Introduction to cognitive psychology – at Crete**

Reasoning, decision making, memory, attention, representation, concepts, associative learning.

- **Generic research skills (MSc; module organizer) – at Swansea**

Grant capture, review process, literature review, conference presentation, research methods. Teaching specified with a view to satisfy ESRC accreditation requirements.

- **Computing skills (MSc; module organizer) – at Swansea**

Superlab, basic computing skills (web design, computations and data file manipulation in Excel, PowerPoint).

Award of Teaching in Higher Education Certificate (September 2000)