

Curriculum Vitae: Dr. Linda Smail, FHEA

Contact Information:

Dr. Linda Smail, FHEA
College of Interdisciplinary Studies
Zayed University
P.O. Box 19282 Dubai, U.A.E
Email: linda.smail@zu.ac.ae
Phone: (00 971) 55 131 5252

Personal

Birthdate: April 26, 1976
Birthplace: Batna, Algeria
Citizenship: Algerian/French

Education

B.S., Batna University, Algeria, 1998 (Mathematics, Honors)
M.S., Marne-la-Vallée University, France, 2000 (Applied Mathematics, Honors)
Ph.D., Marne-la-Vallée University, France, 2004 (Applied Mathematics, Honors)
B.S., University of London, United Kingdom, 2017 (Mathematics and Economics, Honors)

Professional Experience

- **2015 – Present** Associate Professor Zayed University, Dubai, UAE.
 - 2016- 2017. Chair of the Mathematics and Statistics Department. University College.
 - 2017- 2019. Chair of the Mathematics and Statistics Department. College of Natural and Health Sciences.
- **2014 – 2015** Associate Professor in the Mathematics and Sciences department, College of Arts and Applied Sciences (CAAS), Dhofar University, Salalah, Oman.
 - University Promotion Committee
 - Program Review Committee.
 - Arts and Applied Sciences College hiring Committee.
- **2011 - 2014** The American University of Iraq, Sulaimani (AUIS)
 - 2013 - 2014 Accreditation Steering Committee Chair
 - 2012 - 2014 Chair of the Mathematics and Natural Sciences Department
 - 2011 - 2012 Associate Professor in the Academic Program
 - 2011-2014 Director of the Math center
- **2006 - 2011** New York Institute of Technology Amman, Jordan.
 - 2009 - 2011 Associate Professor. Colleges of Arts and Sciences & Computer Sciences.
 - 2006 - 2009 Assistant Professor. Colleges of Arts and Sciences & Computer Sciences.

- **2004 - 2005** Researcher. Department of Applied Mathematics. L.A.M.A Laboratory. Mame-La-Vallée University, France
 - 2004 "Qualified for the position of Assistant Professor", by decision of the Applied Mathematics section of the French National Council of Universities (CNU); this qualification in an acknowledgement of the scientific level for applying to a tenure in a French university.
- **2002 - 2004** Temporary Assistant Professor for Education and Research (ATER). Department of Applied Mathematics. University of Marne-La-Vallée, France.
- **1999 - 2002** Teacher Assistant. Mathematics Department. Mame-La-Vallée University, France.
- **2000 - 2004** PhD in Applied Mathematics. (Funded by the Algerian and French governments) University of Mame-La-Vallée, France.
 - Thesis: “Algorithmic for Bayesian networks and their extensions”, under the supervision of Professor Jean-Pierre Raoult.
- **2003 - 2004** Assistant Researcher with INRIA (French National Institute for Research in Computer Science and Control).
 - Implementation of the Successive Restrictions Algorithm as a part of Probayes (Probabilistic computations software)
 -
- **2002 - 2003** Member of a research project team: Mathematical and Technological Sciences for communication and information. In collaboration with Laplace groups from INRIA.
 - Development of a Bayesian Probabilistic Calculator.
 - Development of ProBT software for Bayesian inference
- **Mar. 2000 – Aug. 2000** Student Researcher. Master’s thesis. Mathematics Laboratory Marne- La-Vallée University, France.
 - **Subject:** Bayesian Networks: Theory and Computations on Computers. Under the supervision of Professor Jean-Pierre Raoult.

Refereed Articles/Conference Proceedings

- Smail, L. (2023). Human Capital and Health Education Among Menopausal Emirati Women in Dubai: Implications and Recommendations. In: Mishrif, A., Karolak, M., Mirza, C. (eds) Nationalization of Gulf Labour Markets. The Political Economy of the Middle East. Palgrave Macmillan, Singapore. https://doi.org/10.1007/978-981-19-8072-5_11
- **Smail, L.** Jassim G, Khan S, Tirmazy S, Ameri MA. Quality of Life of Emirati Women with Breast Cancer. International Journal of Environmental Research and Public Health. 2023; 20(1):570.

- **Smail, L.**, Alawad M, Ferreira AdSM, Puga JL, Garc'ia AMR-R. (2022) Determinants of Entrepreneurial Risk among Young Emiratis. *Sustainability*. 14(22):14963. <https://doi.org/10.3390/su142214963>
- **Smail, L.**, Alawad, M, Abaza, W, Kamalov, F, Alawadhi, H. (2022) Modelling entrepreneurial intentions and attitudes towards business creation among Emirati students using Bayesian Networks. *World Journal of Entrepreneurship, Management and Sustainable Development*. Vol. 18, No. 5, pp. 1–15.
- Johnson, J. D., **Smail, L.**, Corey, D., & Jarrah, A. M. (2022). Using Bayesian Networks to Provide Educational Implications: Mobile Learning and Ethnomathematics to Improve Sustainability in Mathematics Education. *Sustainability*, 14(10):5897. <https://doi.org/10.3390/su14105897>
- Mohamad, O, Al Sabbah, H, **Smail, L.**, Hermena, E, and Al Ghal, R. (2022). Food Consumption Frequency, Perceived Stress, and Depressive Symptoms Among Female University Students in Dubai, United Arab Emirates. *Front. Sustain. Food Syst.* 6:792631. doi: 10.3389/fsufs.2022.792631
- Dghaim R, Hammami Z, Al Ghali R, **Smail, L.**, Haroun D. (2021). The Mineral Composition of Date Palm Fruits (*Phoenix dactylifera L.*) under Low to High Salinity Irrigation. *Molecules*, 26(23):73
- Al Ghali, R., **Smail, L.**, Muqbel, M. et al. (2021). Maternal investment, life-history trajectory of the off-spring and cardiovascular disease risk in Emirati females in the United Arab Emirates. *BMC Public Health* 21, 1237. <https://doi.org/10.1186/s12889-021-11182-0>.
- Al Ghali, R, El-Mallah, C, Obeid, O, El Saleh, O. **Smail, L.**, Dalia Haroun (2021). Urinary minerals excretion among primary schoolchildren in Dubai—United Arab Emirates. *PLOS ONE* 16(8): e0255195. <https://doi.org/10.1371/journal.pone.0255195>
- Ali, A.M., Hendawy, A.O., Ahmad, O., Al Sabbah, H., **Smail, L.**, Kunugi, H. (2021). The Arabic Version of the Cohen Perceived Stress Scale: Factorial Validity and Measurement Invariance. *Brain Sciences*, 11(4). <https://doi.org/10.3390/brainsci11040419>
- Ali AM, Ahmed AH, **Smail, L.** (2020). Psychological Climacteric Symptoms and Attitudes toward Menopause among Emirati Women. *International Journal of Environmental Research and Public Health*, 17(14):5028. <https://doi.org/10.3390/ijerph17145028>
- **Smail, L.**, Jassim GA, Sharaf KI. (2020). Emirati Women's Knowledge about the Menopause and Menopausal Hormone Therapy. *International Journal of Environmental Research and Public Health*, 17(13):4875. <https://doi.org/10.3390/ijerph17134875>
- **Smail, L.**, Jassim G, Shakil A. (2020). Menopause-Specific Quality of Life among Emirati Women. *Int.J. Environ. Res. Public Health*, 17(1):40. <https://doi.org/10.3390/ijerph17010040>
- Awawdeh, F., **Smail, L.** (2020). Convergence analysis of a highly accurate Nyström scheme for Fredholm integral equations. *Applied Numerical Mathematics*, 152, 231-242. doi:10.1016/j.apnum.2019.12.005
- **Smail, L.**, Jassim, GA., Al-Shboul, Q., Hattawi, A. (2019) Emirati Women's Attitudes Towards the Menopause: Implications for Health-Care Policy. *Post Reproductive Health*. June;25(2):71-79. doi: 10.1177/2053369119848888.

- Silvera, G., **Smail, L.** (2019). Relationships between teamwork and suicidal behavior in Juvenile detention facilities using Bayesian networks, *Cogent Social Sciences*, 5:1, DOI: 10.1080/23311886.2019.1652984
- **Smail, L.**, Silvera, G. (2018). American Universities in the Middle East: A Student's Perspective. *Cogent Education*, 5(1) doi:10.1080/2331186X.2018.1447228.
- **Smail, L.** (2017). Using Bayesian Networks to Understand Relationships among Math Anxiety, Gender, Personality Types, and Study Habits at A University in Jordan. *Journal on Mathematics Education*, Volume 8 (1), 17-34, doi: <http://dx.doi.org/10.22342/jme.8.1.3405.17-34>.
- Silvera, G. & **Smail, L.** (2016). Using Bayesian Networks to Understand Representative Bureaucracy in Juvenile Detention Facilities. *IABPAD — IJBPA.V13.N1.2016*.
- **Smail, L.** Uniqueness of the Level Two Bayesian Network Representing a Probability Distribution, *International Journal of Mathematics and Mathematical Sciences*. Volume 2011 (2011), Article ID 845398, doi:10.1155/2011/845398.
- **Smail, L.** (2009). D-Separation and Level Two Bayesian Networks. *Artificial Intelligence Review*, 31., doi: 1007/s10462-009-9128-3.
- Mekhnacha, K., Ahuactzin, J., Bessière, P., Mazer, E., & **Smail, L.** (2007). Exact and approximate inference in ProBT. *Revue d'Intelligence Artificielle*, Lavoisier, 21 (3).
- **Smail, L.** & Jaafar, R. (2007). The Relationship between Students' Personality Types and Their Success. *Scientific Journals International*, 1 (2).
- **Smail, L.** & Raoult, J. (2005). Successive Restrictions Algorithm in Bayesian Networks. *Advances in Intelligent Data Analysis VI*, 3646., doi: 10.1007/11552253_37.
- **Smail, L.**, Raoult, JP. Successive Restrictions Algorithm in Bayesian Networks. A.F. Famili et al. (Eds): *IDA 2005, LNCS 3646*, pp 409-418, 2005. Springer-Verlag Berlin Heidelberg 2005.
- **Smail, L.**, Raoult, JP. Réseaux Bayésiens de Niveau Deux et D-Séparation. *Revue des Nouvelles Technologies de l'Information (RNTI)*. Novembre 2005. Cepaduès Editions. France.

Refereed Conference Proceedings

- **Smail, L.** (2023). Entrepreneurial Fear-of-Failure among the Emirati Youth: An Ordered logistic Regression Estimation. Second Conference: Economic Policy and Research in the UAE and Beyond, AUS Sharjah, AUE, March 23rd, 2023.
- **Smail, L.** (2022). Variable Elimination Algorithm in Bayesian Networks: An Updated Version. *AIP Conference Proceedings* 2483, 010002 (2022); <https://doi.org/10.1063/12.0014956>.
- **Smail, L.** et al. (2022). Learning a Bayesian structure to model entrepreneurial intentions and attitudes towards business creation among Emirati students. *Economic Research Forum (ERF)*, Working PaperNo. 1583. September 2022.
- Gurrib, K, Kamalov, F, and **Smail, L.** (2021). Bitcoin Price Forecasting: Linear Discriminant Analysis with Sentiment Evaluation. In *The 7th Annual International Conference on Arab Women in Computing in Conjunction with the 2nd Forum of Women in Research (ArabWIC 2021)*. Association for Computing Machinery, New York, NY, USA, Article 4, 1–5. <https://doi.org/10.1145/3485557.3485561>

- **Smail, L. (2021)** Human Capital and Health Education among Menopausal Emirati women in Dubai: Implications and Recommendations. Nationalization of GCC Labor Markets: The Changing Role of Higher Education in the Era of the 4th Industrial Revolution Workshop. Gulf Research Meeting 2021.
- F. Kamalov, **L. Smail** and I. Gurrib. (2020). Forecasting with Deep Learning: S&P 500 index. In 13th International Symposium on Computational Intelligence and Design (ISCID) (pp. 422-425). IEEE.
<https://doi.org/10.1109/ISCID51228.2020.00102>
- F. Kamalov, **Smail, L** and I. Gurrib. (2020). Stock price forecast with deep learning. In 2020 International Conference on Decision Aid Sciences and Application (DASA), pp. 1098-1102, doi: 10.1109/DASA51403.2020.9317260.
- **Smail, L.** (2018). Junction trees construction: Application to Bayesian networks. AIP Conference Proceedings 2025, 100007 (2018) <https://doi.org/10.1063/1.5064936>
- **Smail, L.** (2018). Bayesian network model for temperature forecasting in Dubai. AIP Conference Proceedings 2025, 100006; <https://doi.org/10.1063/1.5064935>.
- **Smail, L.** (2017). Junction Trees Constructions in Bayesian Networks. Journal of Physics: Conference Series, IOP Publishing, vol. 893, no. 1, pp. 012056. doi :10.1088/1742-6596/893/1/012056
- **Smail, L.** (2016). Comparison of Lauritzen-Spiegelhalter and Successive Restrictions Algorithms for Computing Probability Distributions in Bayesian Networks. AIP Publishing., doi: 10.1063/1.4952522.
- **Smail, L. (2012).** Multi-target probability distributions computations in Bayesian. the Fourth International Conference on Mathematical Sciences. ICM 2012. Tome I. Pages 351-363. UAE University.
- **Smail, L.** (2010). Inference in Bayesian Networks using D-Separation. The first International Conference on Mathematics and Statistics AUS-ICM 2010.
- **Linda Smail,** D-Separation and Bayesian Networks of Level Two. Colloque sur l'Optimisation et les Systèmes d'Information. COSI'07. Oran, Algérie 2007
- **Linda Smail** et Jean-Pierre Raoult. Réseaux Bayésiens de Niveau Deux et D-Séparation. Proceedings of EGC'2005, Paris, France, 19-21 January 2005
- **Linda Smail.** Successive Restrictions Algorithm. Proceedings of the Fourth International Conference on Mathematical Methods on Reliability, Santa Fe, USA, 21-25 June 2004
- **Linda Smail.** D-Séparation et calcul de lois dans les réseaux Bayésiens. Proceedings of XXXVIèmes Journées de Statistique, Montpellier, France 24-28 May 2004
- **Linda Smail.** Calcul de lois conditionnelles dans les réseaux Bayésiens. Proceedings of XXXVèmes Journées de Statistique, Lyon, France 2-6 juin 2003
- **Linda Smail** et Jean-Pierre Raoult. Algorithme des restrictions successives. Proceedings of QUALITA 2003. Nancy, France 18-20 March 2003.

Articles Under Review

- Abaza, W., **Smail, L,** Alawad M. Factors affecting academic entrepreneurial intentions and attitudes among Emirati students. Entrepreneurial Business and Economics Review. ID:1960.

- **Smail, L.** Modeling Emirati Women's Knowledge and Attitudes towards Menopause using Bayesian Networks. *Journal of Middle East Women's Studies*.
- **Linda Smail.** Entrepreneurial Fear-of-Failure among the Emirati Youth: An Ordered logistic Regression Estimation. *Journal of International Entrepreneurship*.
- Sharifa Alblooshi, **Linda Smail**, Alyaa Albedwawi, Mariam Al Wahedi and Maha AlSafi (2023). The Effect of Covid-19 on the Academic Performance of Zayed University students. *Front. Psychol. - Educational Psychology*. Manuscript ID: 1199684
- David Santandreu, **Linda Smail**, Firuz Kamalov. (2023). Statistically Speaking, Are Students Situationally Engaged and Motivated in the Statistics Classroom?

Book-Chapter

- **Smail, L.** (2023). Human Capital and Health Education Among Menopausal Emirati Women in Dubai: Implications and Recommendations. In: Mishrif, A., Karolak, M., Mirza, C. (eds) *Nationalization of Gulf Labour Markets. The Political Economy of the Middle East*. Palgrave Macmillan, Singapore. https://doi.org/10.1007/978-981-19-8072-5_11
- **Smail, L.** & Azouz, Z. (2017). Factorization of Computations in Bayesian Networks: Interpretation of Factors. In: Abualrub, T., Jarrah, A., Kallel, S., Sulieman, H. (eds) *Mathematics Across Contemporary Sciences. AUS-ICMS 2015. Springer Proceedings in Mathematics & Statistics*, vol 190. Springer, Cham. https://doi.org/10.1007/978-3-319-46310-0_13

Books

- Book Editor (2023): *Intelligent Green Communication Network for Internet of Things* with CRC Press, Taylor & Francis Group.
- Smail, L. (2012). *Algorithmique pour les Réseaux Bayésiens et leurs Extensions* Editions universitaires europeennes.
- AL- Dahoud, A., Salameh, W., & Smail, L. (2010). *Intelligent Communication Systems*. Canada: *Ubiquitous Computing and Communication Journal (UBICC)*.

Lectures and Seminars:

- Decision Under Uncertainty. Data Sciences Workshop. American University of Sharjah. May 6th, 2023.
- Algorithmic for Bayesian networks and Their Extensions. Second workshop on PDE's and Applications. Sharjah University, February 11th, 2023.
- Variable Elimination Algorithm in Bayesian Networks: An Updated Version. International Conference of Mathematical Sciences. Maltepe University, July 20-24 Istanbul, Turkey.
- Bayesian Networks: A new Era. Theory & Applications. University of Education, LAHORE. VEHARI Campus, Pakistan. February 24, 2022
- Quality of life research in medicine and health sciences (by a Statistician to non-Statisticians). Annual Informative Meeting: Quality of Life. A. Menarini Middle East & Africa. May 28, 2022. Dubai, UAE

- Learning a Bayesian structure to model entrepreneurial intentions and attitudes towards business creation among Emirati students. The 28th Economic Research Forum (ERF) Annual Conference March 24–30, 2022.
- Learning a Bayesian structure to model entrepreneurial intentions and attitudes towards business creation among Emirati Youth. Economic Policy and Research in the UAE and Beyond Conference, NUY Abu Dhabi, UAE. March 23rd, 2022.
- Human Capital and Health Education among Menopausal Emirati women in Dubai: Implications and Recommendations. Nationalization of GCC Labor Markets: The Changing Role of Higher Education in the Era of the 4th Industrial Revolution Workshop. Gulf Research Meeting 2021.
- Bayesian Networks: Theory and Applications. International Women in Mathematics. International Mathematical Union. Sorbonne University, Abu-Dhabi, UAE, 7 June 2021.
- Bitcoin Price Forecasting: Linear Discriminant Analysis with Sentiment Evaluation. ArabWIC 2021: ArabWIC 7th International Conference on Arab Women in Computing. August 2021, Sharjah, UAE.
- Modelling entrepreneurial intentions and attitudes towards business creation among Emirati students using Bayesian Networks. The 9th Annual BayesiaLab Conference. Laval Virtual World. October 11–15, 2021
- Stock price forecast with deep learning. 2020 International Conference on Decision Aid Sciences and Application (DASA).
- Forecasting with Deep Learning: S&P 500 index. 2020 13th International Symposium on Computational Intelligence and Design.
- Variables Elimination Algorithm: an Updated Version. 9th International Congress on Industrial and Applied Mathematics (ICIAM'19), Valencia, Spain.
- Junction trees construction: Application to Bayesian networks. 10th International Conference for Promoting the Application of Mathematics in Technical and Natural Sciences (AMiTaNS'18), Albena, Bulgaria.
- Comparison of Lauritzen-Spiegelhalter and Successive Restrictions Algorithms for Computing Probability Distributions in Bayesian Networks. The Second International Conference on Mathematical Science and Statistics (ICMSS'2016), Kuala Lumpur, Malaysia.
- Inference in Bayesian networks. The Fourth International Conference on Mathematical Science and Its Applications (ADU-ICMSA '15), Abu Dhabi University. United Arab Emirates.
- Factorization of Computations in Bayesian Networks. The Second International Conference on Mathematics and Statistics (AUS-ICMS '15), American University of Sharjah. United Arab Emirates.
- Multi-target Joint Probability Distributions Computations in Bayesian Networks. The Fourth International Conference on Mathematical Sciences, ICM 2012, United Arab Emirates.
- Level two Bayesian Networks. The German Jordan University, May 2010
- Bayesian Networks for decision making. The NYIT Management and Marketing Graduate students. 2009-2010
- Bayesian Networks and Their Applications. Faculty Development Workshop NYIT, 2008
- The Relationship between Students' Personality Types and their Success. Faculty Development Center Workshop. NYIT, Amman, Jordan November 15th 2007.
- D-Separation in Graphical Models. INRIA, Grenoble, France 2005.
- Bayesian Networks and Inference. MathStic Project, INRIA Grenoble, France 2004
- Lauritzen and Spiegelhalter algorithm. Marne-La-Vallée University, France 2004

- D-Separation and Bayesian network of level two. Marne-La-Vallée University, France 2004
- The Running Intersection Property in Bayesian networks. Marne-La-Vallée University, France 2003
- Bayesian networks and their applications. Marne-La-Vallée University, France 2003
- Successive Restrictions Algorithm. Marne-La-Vallée University, France 2002
- Computation of probabilities in Bayesian networks. Conference of young probabilistic and statisticians researchers, Aussois, France 2002

Technical Reports

- L. Smail, J.P. Raoult. Algorithm of successive restrictions. Prépublication de l'Equipe d'Analyse et de Mathématiques appliquées, Marne-la-Vallée University, France 2002.
- L. Smail, J.P. Raoult. Techniques de construction d'arbres de jonction. Applications aux réseaux bayésiens. Prépublication de l'Equipe d'Analyse et de Mathématiques appliquées, Marne-la-Vallée University, France. 2003.
- L. Smail, J.P. Raoult. Propriétés de séparations dans les réseaux Bayésiens. Prépublication de l'Equipe d'Analyse et de Mathématiques appliquées, Marne-la-Vallée University, France 2004.
- L. Smail, Unicity of the BN2 representing a probability distribution. Technical report. Marne-la-Vallée University, France. 2005.
- L. Smail, Kamel Mekhnacha, Juan-Manuel Ahuactzin, Pierre Bessière, Emmanuel Mazer, A unifying framework for exact and approximate Bayesian inference. , INRIA - Rhone-Alpes Research Report - E-MOTION team, Montbonnot, France. RR-5797, Janvier 2006.
- L. Smail, D-Separation and Bayesian Network of Level Two. Prépublication de l'Equipe d'Analyse et de Mathématiques appliquées, Marne-la-Vallée University, France 2006.
- Kamel Mekhnacha, Linda Smail, Juan-Manuel Ahuactzin, Pierre Bessière, Emmanuel Mazer. A unifying framework for exact and approximate Bayesian inference. INRIA, France 2006

A. Awards:

1. Research Incentive Award (ZU). Quality of life of Emirati Women with Breast Cancer. 2022.
2. Research Incentive Award (ZU). Entrepreneurial Intentions Among Emirati Youth. 2022.
3. One of the top five award winning papers (out of 138 submissions). The 28th Economic Research Forum(ERF28) Annual Conference. 2022.
4. 1st position- (Category-Technology) in the 2nd Forum for Women in Research (QUWA): Empowering Women in Research & Innovation, Sharjah University. 2021. Also, shortlisted in the 3rd Forum.
5. 2nd position (Category-Public Health) in the 7th Undergraduate Research Competition Office of Research & Sponsored Programs, Abu Dhabi University. 2019.
6. Research Incentive Award (ZU). Emirati Women's Attitudes towards Menopause: Implications for Health-Care Policy. 2019
7. Exceed Expectation Award. ZU. 2018

Grants

Current Grants:

As PI:

- **2023 [2 years grant]:** Smail, L., Jassim, G., Tirmazy, S., & Dawoud, E. Quality of life of Emirati Women with Cervical Cancer

As Co-PI

- **2022:** Diabetes Precision Medicine: Subtyping of Diabetes by genomics and clinical biomarkers to personalize patient care. PRJ-SWARD-546 (AED 800, 000).
- **2020 [2 years grant]:** Would the sub type 2 diabetes segregates into distinct disease entities enabling better clinical Utility? MBRU-ALMAHMEED Collaborative Research Award. ALM1913 (AED 300, 000).
- **2020 [2 years grant]:** A proof of principle that type 2 diabetes (T2D) can be subtyped, using genomic biomarkers, pathophysiological drivers and artificial intelligence among Dubai residents. MBRU-ALMAHMEED Collaborative Research Award. MBRU-CM-RG2019-06 (AED 200,000)
- **2020 [2 years grant]:** An innovative approach to empower students to consider a Stem career using Ethnomathematics and a tablet device. (AED 299,630)
- **2022**

Past Funded

1. **2020-2022:** Smail, L., Jassim, G., Tirmazy, S., & Awad, M. Quality of life of Emirati Women with Breast Cancer
2. **2020:** Short Term Grant: Smail, L. Entrepreneurial intentions among Zayed University Students.
3. **2017-2019:** Smail, L., Al-Shboul, Q., & Jassim, G., Emirati Women's Knowledge and Attitude Towards Menopause and Hormone Replacement Therapy: Implications for Health-Care Policy., Co-Investigator.
4. **2015:** Smail, L. Start-Up Grant, Principal Investigator, Office of Research, Zayed University. Weather forecasting in the UAE using Bayesian Networks.
5. **2010:** Smail, L. Global Faculty Summer Research and Creativity Grant, Principal Investigator.

Funds:

1. Quality of life of Emirati Women with Cervical Cancer 2023-2025 Research Office, Zayed University Dubai. PI (AED 228,000)
2. Role of parents education on their daughters attitudes towards starting a business. 2023. Short Grant. Research Office, Zayed University Dubai. PI (AED 7,600)
3. Entrepreneurship attitudes and intention among Emirati Students 2020. Short Grant. Research Office, Zayed University Dubai. PI (AED 5,000)
4. Quality of life of Emirati Women with Breast Cancer. 2019-2021 Research Office, Zayed University Dubai. PI (AED 189,260)

5. An innovative approach to empower students to consider a Stem career using Ethnomathematics and a tablet device. 2019-2021 Research Office, Zayed University Dubai. Co-PI (AED 299,630)
6. Challenges and obstacles facing the police force. Bayesian networks approach. Dubai Police 2018-2019. PI (AED 24,000)
7. UAE Green Economy Index and State of Green Economy Report 2019. Ministry of Environment, Forest and Climate Change, Dubai. Co-PI (AED 153,846)
8. Emirati Women's Knowledge and Attitude Towards Menopause and Hormone Replacement Therapy: Implications for Health-Care Policy. 2017-2019. Research Office, Zayed University R17065 Dubai. PI (AED 134,299)

Memberships

Professional Memberships:

- **Editor-in-Chief:** Research Journal in Mathematics, Econometrics and Statistics (RJMES)
- **Editorial Board:** Gulf Journal of Mathematics
- **Editorial Board:** Annals of Mathematics and Computer Science
- Reviewer for Mathematical Reviews
- Member of the ACM: Association for Computing Machinery
- Member of the AMS: American Mathematical Society
- Member of the SIAM: Society for Industrial and Applied Mathematics
- Editorial Board member UBICC: Special Book Issue: Intelligent Communication System
- Member of the Organizing and Technical Committees of ICICS '09
- Member of the Program Committee of ICADIWT'09
- Member of the Scientific Research Council, NYIT Amman, Jordan.
- Member of the Steering Committee: Workshop for graphic models for probabilities.
- Member of the program committee: EGC'2005 Paris, France.

Honorary Memberships:

- President of the Math Club, AUIS
- President to the Math Club, NYIT
- President to the French Club, NYIT
- Honorary member of the LAMA Lab, France
- Honorary member of INRIA, France

Certificates and Courses

- Good Clinical Practice (GCP) Certificate. The National Institute on Drug Abuse (NIDA) Center for Clinical Trials (CCTN) Clinical Trials Network (CTN). 2020
- Nigel Carrington Collaborative Institutional Training Initiative (CITI PROGRAM). 2020
- Artificial Intelligence Analyst - Mastery Award 2019. Issuer: IBM October 6, 2019.

- Fellow of The Higher Education Academy in recognition of attainment against the UK Professional Standards Framework for teaching and learning support in higher education. Recognition reference: PR159044. Date of recognition: 20/12/2018
- Common Core in Action: Math Classroom Challenges- Using Formative Assessment to Guide Instruction by New Teacher Center on Coursera. Certificate earned on December 2, 2013
- Linear and Integer Programming. With distinction. University of Colorado Boulder, Coursera.
- The Power of Macroeconomics: Economic Principles in the Real World. With distinction. University of California, Irvine, Coursera.
- The Power of Microeconomics: Economic Principles in the Real World. With distinction. University of California, Irvine, Coursera.
- Introduction to Economics. University of London. Academic year 2013-2014.
- Macroeconomics. University of London. Academic year 2014-2015.
- Microeconomics. University of London. Academic year 2015-2016
- Econometrics. University of London. Academic year 2015-2016

Languages English, French, Arabic, Italian.

Computer Skills

- System of exploitation: Unix/Linux, Windows, MacOS
- Languages of programming: C and C++, Python, R.
- Specialized software: SPSS, Latex, Matlab, Maple, Mathematica, QM-POM, Netica, BNT, Hugin, BayesiaLab.