



Salim LAMINE

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Algiers, Algeria

PROFESSIONAL SUMMARY

Salim LAMINE is a Lecturer in Remote Sensing & GIS and Precision Agriculture at the University of Bouira. He earned his PhD from the University of Sciences and Technology Houari Boumediene (Algeria) in cooperation with Aberystwyth University (UK). With extensive expertise in leadership, training, and report writing, Salim possesses a diverse skill set, including Geospatial Data analysis, strategic communications, and presentation proficiency.

His research spans multiple disciplines, covering Remote Sensing, Precision Agriculture, Hyperspectral Imaging, GIS, Field Spectroradiometry, Soil Bio-Geochemistry, Water Sustainable Management, Agricultural Biosystem-Engineering, Climate Change, Forest Fire Management, Aerial and Space Mapping, Heavy Metal Mapping, Hydro-informatics, Geo-Statistics, Soil Moisture, and SVAT Models. Salim has made significant contributions to the field with +20 peer-reviewed papers published in highly respected journals, +100 international conferences, and +5 book chapters. He recently authored a book about Remote Sensing Applications and is currently editing another one with ELSEVIER, titled "Remote Sensing in Precision Agriculture," scheduled for publication early in 2023. Beyond his academic achievements, Salim has excelled as a part-time **Geospatial Project Manager at ARCHI-ART Engineering & Technical Studies Ltd (Algeria)** since 04/03/2012. In this role, he showcased his adeptness in project coordination, management, and expertise in Remote Sensing, utilizing ERDAS Imagine, ENVI, and ArcGIS. Additionally, since 16/04/2023, he has been serving as a part-time **CEO & Business Strategy Consultant at ECOLAND CONSULTING Ltd (Algeria)**, skillfully combining leadership capabilities with strategic communications to provide comprehensive Geospatial consulting solutions. Salim's profound expertise in Geospatial Data analysis, coupled with strong project management skills, makes him an exceptional contributor in various fields, ensuring accurate reporting and insightful analyses. Salim's unwavering passion for Remote Sensing, GIS, and environmental studies fuels his determination to drive advancements in these fields and create a lasting impact on the scientific and professional community.

Google Scholar: <https://scholar.google.com/citations?user=2INxCW0AAAAJ&hl=en>

WORK EXPERIENCE

Senior Lecturer & Researcher in Remote sensing & GIS 23/08/2015 to Present

University of Bouira • Bouira (Algeria).

Achievements (duties):

- Teaching several university subjects to graduate and post-graduate students.
- Preparing and delivering large group lectures up to 300 students.
- Designing courses (Remote sensing, GIS, Soil Cartography, English, and Biostatistics)
- Contributing to the planning of scientific events, seminars/Webinars.
- Delivering one-to-one advice on particular pieces of work.
- Advising students on course and academic matters and career decisions.
- Preparing, administering, and grading examinations, laboratory assignments, and reports.
- Directing research programs and supervising more than 100 graduate-students and 20 Master Students.
- Conducting research projects in several universities and with an international group of researchers.
- Presenting several research publications at national and international conferences.
- Publishing findings in scholarly journals, and I am editing several book chapters.

Geospatial Project Manager (Part-time) 04/03/2012 to Present

ARCHI-ART Engineering & Technical Studies Ltd (Algeria)

Achievements (duties):

- Defining project objectives and deliverables.
- Collecting and processing remote sensing data (e.g., satellite imagery, DEM and airborne data).
- Planning land surveys to determine property boundaries, topographic features, and other land-related information.
- Identifying and managing/mitigating project risks.
- Combining remote sensing and surveying data to conduct thorough geospatial analysis.
- Utilizing remote sensing and geospatial software and tools (e.g., ArcGIS, Qgis, ENVI, SNAP, ERDAS).
- Analyzing and interpreting geospatial data for decision-making (GIS maps and analyses).
- Ensuring data quality and accuracy.
- Preparing publications, technical reports and geospatial training materials for technology evaluation and development projects.
- Communicating project progress and results to entrepreneurs, agency stakeholders and partners in three languages; Arabic, French and English.

CEO & Business Strategy Consultant (Part-time) 16/04/2023 to Present

ECOLAND CONSULTING Ltd (Algeria)

Achievements (duties):

- Leadership and management development.
- Managing key relationships with clients.
- Providing training sessions and workshops for employees to enhance their skills and knowledge (Geomatics, agriculture, funding, environment and land acquisition legislation).
- Planning and implementing agreed strategies
- Designing Geospatial-solutions and content to support clients (GIS and Remote Sensing solutions).
- Prepare reports on consulting services (Precision Agriculture, Geomatics, EIA, etc).

Head of the Department of Agricultural Sciences 01/03/2018 - 08/03/2020

University of Bouira • Bouira (Algeria)

Achievements:

- Set and advanced the academic strategy of the department in line with Faculty and University strategic plans and direction.
- Joined the Faculty Executive Board and contributed to the overall leadership and management of the Faculty.
- Developed and sustained appropriate structures for management, consultation, decision-making and communication with staff and students.
- Refreshed and developed new programmes in order to attract new students.
- Ensured the highest levels of quality, integrity and ethics in all research undertaken.
- Created a dynamic and forward-looking research environment for both staff and students.
- Contributed to University-wide initiatives in order to improve understanding and communication of Knowledge-Transfer.
- Ensured that Ministerial and University HR policies and procedures and laws are implemented.
- Ensured that staff performance is managed appropriately and in a way that is consistent with the expectations of my university.
- Ensured all staff have access to the necessary support to enable them to contribute fully and developed their skills and experience.
- Made effective use of all staffing resources and sought opportunities for collaboration with others beyond the department.
- Ensured that University equipment and facilities under the department's control are properly maintained and serviced as required.

Higher Education Coordinator (Tutorat) 02/11/2015 – 28/02/2018

Higher Education Coordinator • Bouira (Algeria)

Achievements:

- Helped the students better understand the higher education system to get them integrated easily.
- Provided students with a positive and constructive feedback.
- Organised workshops and explained to students the evaluation and admission systems.
- Developed and improved the education curriculum and structure.
- Made suggestions to the university rector in line with the latest educational standards and developments.

Geomatics Research Assistant

Jan 2014 - Sep 2014

University of Aberystwyth • Aberystwyth (United Kingdom)

Technical tasks performed at Department of Geography & Earth Sciences:

- Advanced techniques for spectroradiometric data collection & pre-processing.
- Advanced methods for Satellite-based hyperspectral data pre-processing.
- Methodology of Hyperspectral Imaging to detect Heavy metals in contaminated soils.
- Background and validation of soil moisture & energy fluxes operational products & algorithms.
- Background and validation of the SimSphere land biosphere model.
- Validation of derived EO product using Simsphere model.
- Geo-chemistry laboratory analysis for the detection of heavy metals

Assistant Lecturer

Jan 2011 - Jun 2011

University Saad Dahlab of Blida (Algeria)

Main duties:

- Gave lectures of Biostatistics.
- Performed Laboratory experimental tasks.

EDUCATION

Habilitation to Direct Research (HDR)

Obtained on 01-06-2022

University of Bouira (Teaching & Academic Tasks) and University of Science and Technology Houari Boumediene "USTHB" (Research Tasks) [Algeria] • Algiers

Subjects and Occupational skills covered:

- Teaching experience: Teaching Graduate, Post-Graduate and PhD students several modules including; Soil Mapping, Environmental Impact, Research Methodology, Agricultural Experimentation, Statistics, Computer Science and English.
- Supervision Graduate and Post-Graduate students: Supervision of students of different majors

including; Environment Sciences, Biodiversity and Soil Sciences.

- Research Experience: Publication of high-level peer reviewed papers in the field of hyperspectral remote sensing, Field Spectroradiometry; Forest Fire Management, Heavy metal soil Contamination, Precision Agriculture; Soil Geo-chemistry and validation of soil moisture data from Earth Observation satellites and SVAT models.

PhD. Ecology and Environment (Hons). |  **Ref: 4831181IMM** | **13/02/2013 - 08/03/2018**

University of Science and Technology Houari Boumediene "USTHB" [Algeria] • Algiers

Thesis theme: **Contribution of Multispectral and Hyperspectral Remote Sensing for Studying and Modeling Soil-Vegetation-Atmosphere (SVAT) Interactions.**

Supervisor: Prof. Bachari Nour-EI-Islam (Algeria) / Co-supervisor: Dr. George Petropoulos (UK)

- **English** was the language of instruction and thesis writing.

Subjects and Occupational skills covered:

- Multispectral Remote sensing data analysis (SEVIRI, Landsat).
- Hyperspectral Remote Sensing data analysis (Hyperion EO-1).
- Collection of Field hyperspectral data using ASD-3 Spectroradiometer.
- Geochemistry of Heavy Metals Soil Contamination.
- GIS for Ecosystem Health Modeling.
- FRAGSTATS® for Landscape Fragmentation.
- Landscape spatio-temporal dynamics.

Master's degree, Geoinformation in Environmental Management **03/10/2011 - 16/07/2012**

Mediterranean Agronomic institute of Chania (CIHEAM-MAICh) • Chania

Subjects and Occupational skills covered:

- Collection and analysis of hyperspectral data using ASD spectroradiometer.
- Water quality in-situ measurements and laboratory analyses.
- ArcGIS for the geo-spatial variation of water quality parameters.
- Estimation of water quality spectral indices from Landsat data.

Master's degree, Agricultural production improvement **07/11/2007 - 30/06/2011**

University Saad Dahlab of Blida • Blida

Subjects and Occupational skills covered:

- Geo-spatial analysis of citrus diseases.
- Crop management.

Master's degree, Integrated Pest Management (IPM)

01/11/2009 - 25/06/2010

Mediterranean Agronomic institute of Bari (CIHEAM-MAIB) • Bari

Subjects and Occupational skills covered:

- Remote Sensing and GIS for Pests Monitoring.
- Long-term management strategy to reduce pests.
- Preserving the equilibrium of the agro-ecosystem.

Engineer of state in Plants Protection

01/09/2002 - 09-11-2007

University Saad Dahlab of Blida • Blida

Subjects and Occupational skills covered:

- Methods in identification of certain plant diseases causal agents (fungi, bacteria, viruses).
- Geostatistical analysis of agronomic and climatic parameters.

SKILLS

► Language skills:

- Advanced level & fluent in **English, French** and **Arabic**.
- Good level in **Italian** and **Greek**.

► Social skills:

Team spirit and work commitment

- Fast adaptation to work in multicultural environments gained through the study & work experience abroad.

► Organisational skills:

Have a strong attention to detail.

- Fair problem-solving skills gained through active participation on several programs, scheduling and experiments design.
- Proven leadership skills, enthusiasm, passion and a sound appreciation of solutions thinking.
- Proven ability to inspire and motivate teams towards a common objective.
- Proven ability to analyse and present clearly complex information and concepts.

► Computer skills:

- Advanced knowledge in GIS and Remote Sensing software's **ENVI, ArcGIS, Qgis, BEAM, Sentinel SNAP, ERDAS** and **Geoconcept**.
- Excellent knowledge in **BASECAMP** (Project Management Platform).
- Microsoft Office, Word, Excel, PowerPoint, MS Project, SPSS, Xlstat, Photoshop and AutoCAD.
- Excellent knowledge in Computer software and Hardware (Certificate).
- Beginner in computer programming (**Python & R**).

PROFESSIONAL CREDENTIALS

- Certificate in Organic Agriculture and Certification of Organic Products, 2023. Forum of Investment and development of Enterprises, Algeria
- Certificate in Training of Trainers, 2020, Innovation Academy & Shabup, Algeria
- Certificate of Competence, 2017, Geoconcept Software, DZMAP Ltd, Algeria
- Certificate in Global Navigation Satellite System, 2012, The university of Nottingham, UK
- Certificate of Competence, 2010, Training of Trainers, MAIB, Italy
- Certificate in Integrated Pest Management, 2009, MAIB, Italy

Membership & International AWARDS & HONOURS

- **Member & Representative of** International Society of Precision Agriculture
- **Member** of the African Association for Precision Agriculture
- **Editor of MDPI Research Topic: What Climate Adaptation Looks Like: Improving Healthy Landscape.** Editors: Dr. Qianqian Zhang, Prof. Dr. Jinman Wang, Prof. Dr. Nisha Bao, Dr. Yang Wang, Dr. Salim Lamine. *Link:* <https://www.mdpi.com/topics/34B1EPTDG3#information>
- **Member of the editorial board of the Academic Journal Geocarto International.** Since Jan. 2022 [Geocarto International](#) is a professional academic journal serving the world-wide scientific and user community in the fields of remote sensing, GIS, geoscience and environmental sciences
- **Expert Reviewer** for Intergovernmental Panel on Climate Change (**IPCC**) The Sixth Assessment Report (AR6) Climate Change 2021: Impacts, Adaptation and Vulnerability from the Working Group II (WGII).
- **International Prize for the Environment “ECOWORLD”**,



Russian Academy of Natural Sciences

2017

International award received from the Algerian minister of Higher Education and Scientific Research (Pr. Tahar Hadjar) and the President of the Directorate General for Scientific Research and Technological Development (Pr.H. Aourag).

Certificates of Appreciation as a Reviewer

since 2015

Certificates of Appreciation for serving as a reviewer for the following journals from 2015-Present:

- Journal of Applied Remote Sensing/SPIE

- Physics and Chemistry of The Earth/Elsevier
- Environmental Modelling And Software/Elsevier
- Journal of Journal of Electronic Imaging/SPIE
- International Journal of Applied Earth Observations and Geoinformation/Elsevier
- MDPI Journals: Remote Sensing, Sensors, Minerals, Earth, Water, Agronomy
- Earth Science Informatics/Springer
- Geocarto International/Tylor and Francis.

Young Scientist representative of Aberystwyth University since 2014

- Young Scientist representative of Aberystwyth University at the Climate Symposium 2014 in Germany (Fully Funded by the EUMETSAT).

Award to attend the first Gfg2 Summer School 2012

- Global Navigation Satellite System, GNSS, The University of Nottingham, UK.

NATIONAL CONFERENCES

- **Salim Lamine** and Paul A. Brewer. **Heavy metal soil contamination detection using combined geochemistry and field spectroradiometry**. National Workshop LAAR'22. Physique du rayonnement et ses applications. 1 and 2 October 2022. Faculty de Physique. University of Sciences and Technology Oran, Algeria.
- **Salim LAMINE**. 2017. Potential applications of COMSOL Multiphysics 5.2a in Biotechnology. COMSOL International Workshop by Elnady Engineering & Agencies. Faculté SNVST. 10 Jan 2017. University of Bouira, Algeria.
- **Salim LAMINE**, Farouk LEKBAL & Mourad TAFER. 2016. "Tutorat: un soutien pédagogique destiné aux étudiants de licence". 1er symposium de tutorat de la faculté des sciences de la nature et de la vie & des sciences de la terre (FSNVST), 25 Avril 2016, Bouira, Algérie.
- **Salim LAMINE**. 2016. "L'orientation universitaire et l'insertion professionnelle des étudiants du domaine Sciences de la Nature et de la Vie". 1er symposium de tutorat de la faculté des sciences de la nature et de la vie & des sciences de la terre (FSNVST), 25 Avril 2016, Bouira, Algérie.
- **Salim LAMINE** and George P. PETROPOULOS. 2016. SimSphere Soil Vegetation Atmosphere Transfer (SVAT) Model to Study Land-Atmosphere Interactions. The 2ed Conference of scientific days of the faculty SNVST, 14 Dec 2016. University of Bouira, Algeria.

INTERNATIONAL CONFERENCES

- **Salim Lamine**, Paul A. Brewer, George P. Petropoulos, Nour-EI-Islam Bachari. **Precision in Soil Analysis: Uncovering Heavy Metal Pollution with Hyperspectral Remote Sensing**. The 1st International Hybrid Conference on Artificial Intelligence Applied in Agriculture. [AGRITECH-DZ](#). May 4th 2023. Faculty of Natural and Life Sciences & Earth Sciences. Mohamed El-Bachir E-Ibrahimi University, Bordj Bou Arreridj, Algeria.
- Petropoulos, G. P., Silva-Fuzzo, D. F., Bao, Y., Sandric, I., Triantakonstantis, D., Detsikas, S. E., Srivastava, P. K., and Lamine, S. **SimSphere: a software toolkit to facilitate teaching and research in the study of Land Surface Interactions**, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-12605, <https://doi.org/10.5194/egusphere-egu22-12605>
- Certificate of Participation in the **Glob Student Research Campaign**, The GLOBE Program, NASA, USA
- **Salim LAMINE** ; Khidir Abdalla Kwal Deng, Andrew Pavlides, Yangsong Bao, Dionissios Hristopulos, Prashant K. Srivastava, George Petropoulos. 2019. **Operational Surface Soil Moisture Products in support to water resources management in agriculture in the face of climate change**. CL4.27/BG2.37 – Impact of climate change on agriculture. European Geoscience Union. EGU2019-14155.
- **Salim LAMINE**; Ian SAUNDERS, Saida BOUKHALFA, George P. PETROPOULOS, Nour El Islam BACHARI, Paul A. BREWER, Mark G. MACKLIN & Will HARESIGN. 2017. **Phytoremediation of heavy metals–contaminated soils by two willow species Salix viminalis and Salix dasyclados**. Séminaire international Environnement, Agriculture et Biotechnologie (SIEAB-2017): les 27 et 28 Novembre 2017, Université de Bouira, **Algérie**.
- George P. Petropoulos, **Salim Lamine**, Gareth Ireland, Matthew R. North 2016: **An all-inclusive appraisal of soil moisture operational products from SMOS & ASCAT at selected ecosystems globally**. European Space Agency Living Planet Symposium, 9th – 13th May 2016, Prague, **Czech Republic**.
- George P. Petropoulos, **Salim Lamine**, Matthew R. North, , Prashant K. Srivastava, Gareth Ireland. **Soil Moisture Operational Products Accuracy from SMOS & ASCAT at Selected Ecosystems Globally**. NCEO Science Conference. 29 June-1 July 2016. Coventry, **UK**. [<https://www.nceo.ac.uk/article/nceos-annual-science-conference/>]
- Prashant K. Srivastava, **Salim Lamine**, George P. Petropoulos, Sudhir Kumar Singh, Szilárd Szabó, Manika Gupta. 2016. **Forest fragmentation analysis using multi-temporal Hyperion EO-1 imagery and FRAGSTATS Spatial Pattern Analysis Program**. NASA HypsIRI Symposium, Goddard Space Flight Center, **USA**.

- **Salim LAMINE**, George P. PETROPOULOS, Prashant SRIVASTAVA, Gareth IRELAND, Tanvir ISLAM, Matthew R. NORTH, Vasilieios ANAGNOSTOPOULOS, Hro GEORGOPOULOU. **2016. Evapotranspiration (Et) Estimates From Space: An Evaluation Of The MODIS Operational Product Over Selected European Sites.** The 12th International Conference on Hydro-informatics, 21th-26th August 2016, **South Korea**
- George P. PETROPOULOS, **Salim LAMINE**, Prashant SRIVASTAVA, Gareth IRELAND, Tanvir ISLAM, Matthew R. NORTH, Vasilieios ANAGNOSTOPOULOS, Hro GEORGOPOULOU. **2016. Operational Soil Moisture Estimates From SMOS & ASCAT Over Selected Australian Ecosystem Types.** The 12th International Conference on Hydro-informatics, 21th-26th August 2016, **South Korea.**
- Petropoulos, G.P., **S. Lamine**, M.R. North, G. Ireland, V. Anagnostopoulos, I.Georgopoulou **2015: Appraisal of the SEVIRI & MODIS Evapotranspiration Operational Products Accuracy in Europe: results from different ecosystems.** ESA Conference "Earth Observation for Water Cycle Science 2015", October, 20-23rd, Frascati, Rome, **Italy.**
- North, M.N., H. Georgopoulou, G. Ireland, G. P. Petropoulos, **S. Lamine**, P.K. Srivastava & C. Huges. **2015: An appraisal of the Accuracy of EO-based Operationally Distributed Products in Estimating Soil Moisture: The work conducted within PREMIER-EO project.** 1st National Conference of GIS in Agriculture and Environment, May, 28-29th, 2015, Athens, **Greece.**
- Petropoulos, G.P., Anagnostopoulos, V., & **Lamine, S.** **2015: A tool for the pre-processing of operationally distributed products from MSG SEVIRI: demonstration & validation.** RSPSoc 2015, September 8-10th, Southampton, **UK.**
- Petropoulos, G.P., M. North, G. Ireland, **Lamine, S.**, P.K. Srivastava, C. Huges. **2015: Validation of MSG-2 SEVIRI Operational Evapotranspiration Product at Selected European Sites.** EUMETSAT Land Surface Analysis, User Workshop, June 8-10th, Reading, **UK.**
- **Salim Lamine**; George P. Petropoulos; Chariton Kalaitzidis & Paul Brewer. **2014. Investigating Use of Field Spectroradiometry in Detecting Lead-Contaminated Soil: a case study from Wales.** RSPSoc Annual Conference, 2nd – 5th September 2014, Aberystwyth, Wales, **UK**
- **Salim Lamine**; George P. Petropoulos; Gareth Ireland; Matthew R. North; Alexander Cass; Kiril Manevski; Prashant k. Srivastava. **2014. Validating Operational Evapotranspiration Estimates from Geostationary Orbit Data: Results over European Ecosystems.** The Climate Symposium 13-17 October 2014, Darmstadt, **Germany.**
- Gareth Ireland; Alexander Cass; George P. Petropoulos; **Salim Lamine**; Prashant K. Srivastava. **2014. Towards the Evaluation of the SEVIRI Evapotranspiration Operational product Accuracy on a Continental Scale: Findings over European Ecosystems.**

- ForestSAT Conference, 4-7 November 2014, Riva del Garda, Trento, **Italy**
- Matthew Robert North ; Daisy Veronica Rendall ; Stefania Amici ; Patrick N.L Lamptey ; George P. Petropoulos ; **Salim Lamine**. **2014. Modelling Land Surface Interactions at Forested Ecosystems: Results From the Global Validation of a 1-D SVAT Model**. ForestSAT Conference, 4-7 November 2014, Riva del Garda, Trento, **Italy**
 - **Salim Lamine**; George P. Petropoulos. **2013. Evaluation of the Spectral Angle Mapper "SAM" Classification Technique using Hyperion Imagery**. European Space Agency Living Planet Symposium, 9th – 13th September 2013, Edinburgh, **UK**

INTERNATIONAL PUBLICATIONS IN PEER REVIEWED JOURNALS

- **S. LAMINE**, P.K. SRIVASTAVA, A. KAYAD, P. C. PANDEY, F. MUÑOZ-ARRIOLA, (Eds) **Remote Sensing in Precision Agriculture: Transforming scientific advancement into innovation**. 1 ed.; ELSEVIER: UK, **2023**. ([Available from October 2023](#)).
- R. Tyagi, P.C. Pandey, Prashant K Srivastava, **Salim Lamine**, Ahmad Kayad. **Applications of Drones in Precision agriculture: an approach to future smart sustainable Farming**. In *Remote Sensing in Precision Agriculture: Transforming scientific advancement into innovation*, S. LAMINE, P.K.S., A. KAYAD, P. C. PANDEY, F. MUÑOZ-ARRIOLA, Ed.; ELSEVIER: UK, **2023**.
- C.M Anoruo; C.S Ekwezuo ; O.C Ibec and Salim Lamine. **Future Aspects and Challenges in remote sensing for PA**. In *Remote Sensing in Precision Agriculture: Transforming scientific advancement into innovation*, S. LAMINE, P.K.S., A. KAYAD, P. C. PANDEY, F. MUÑOZ-ARRIOLA, Ed.; ELSEVIER: UK, **2023**.
- **Salim Lamine**, Massinissa Zidane, Redouane L. Boufniza, Khalid Ammarouche, Prem Chandra Pandey, Nour-El-Islam Bachari, Fouzia Houma Bachari, Prashant K. Srivastava, George P. Petropoulos & Francisco Muñoz-Arriola. **Combining GIS and Satellite Spectral Indices for the Remote-detection and Mapping of TILESIT Dam Water Quality**. MDPI-WATER. 2022, [Under Review](#).
- B. Firad, N.E.I. Bachari, K. Amarouche, G.A Kames, S. Lamine. **Temporal analysis of the distribution of *thynnus thunnus* in relation to environmental factors along the Algerian coast**. Egyptian Journal of Aquatic Biology & Fisheries 25 (5), 553-571.
- **BOOK** (Salim LAMINE. 2020. [REMOTE SENSING: Multispectral & Hyperspectral Applications](#). Lambert Publishing. ISBN:978-620-2-91891-6. V1. 152p.
- **Book Chapter 2021**: Nour-El-Islam Bachari, **Salim Lamine**, and Khaled Meharrar. **Geometric-Optical Modeling of Bidirectional Reflectance Distribution Function for Trees and Forest Stands**. In: Prem C. Pandey, Laxmi K. Sharma. **Advances in Remote Sensing for Natural Resource Monitoring**. WILEY 2021: <https://doi.org/10.1002/9781119616016.ch3>

- **Book Chapter, 2020: Salim Lamine**, Manish Kumar Pandey, George P. Petropoulos, Paul A. Brewer, Prashant K. Srivastava, Kiril Manevski, Leonidas Toullos, Nour-El-Islam Bachari, and Mark G. Macklin. [Spectroradiometry as a tool for monitoring soil contamination by heavy metals in a floodplain site](#). In: Prashant K. Srivastava, Prem Chandra Pandey, Heiko Balzter, Bimal Bhattacharya, George Petropoulos. **Hyperspectral remote sensing: theory and applications**. Elsevier 2020. Section IV, chapter 13, 249-268.
- **Salim Lamine**, George P. Petropoulos, Paul A. Brewer, Prashant K. Srivastava, Nour-El-Islam Bachari, Kiril Manevski, Chariton Kalaitzidis & Mark G. Macklin. **Heavy Metal Soil Contamination Detection Using Combined Geochemistry and Field Spectroradiometry in the United Kingdom**. MDPI. *Sensors* 2019, 19(4), 762: <https://doi.org/10.3390/s19040762>
- Khidir Abdalla Kwal Deng, **Salim Lamine**, Andrew Pavlides, George P. Petropoulos, Prashant K. Srivastava, Yansong Bao, Dionissios Hristopoulos, Vasileios Anagnostopoulos. **Operational Soil Moisture from ASCAT in Support of Water Resources Management**. MDPI. *Remote Sensing* 2019, 11(5), 579: 1-25 <https://www.mdpi.com/2072-4292/11/5/579>
- Khidir Abdalla Kwal Deng, **Salim Lamine**, Andrew Pavlides, George P. Petropoulos, Yansong Bao, Prashant K. Srivastava, Yuanhong Guan. **Large Scale Operational Soil Moisture Mapping from Passive MW Radiometry: SMOS product evaluation in Europe & USA**. *International Journal of Applied Earth Observation and Geoinformation - Elsevier*, 2019, <https://doi.org/10.1016/j.jag.2019.04.015>
- Aaron Evans; **Salim Lamine**; Dionissios Kalivas; George P. Petropoulos. **Exploring the Potential of EO data and GIS For Ecosystem Health Modelling in Response to Wildfire: a case Study In Central Greece**, *Environmental Engineering and Management Journal*, September 2018, vol.17, No. 9, 2165-2178. <http://www.eemj.eu/index.php/EEMJ/article/view/3679>
- BACHOUCHE N, KELLOUCHE A, **LAMINE S**. 2018. **Effects of soil texture and burial depth on the biological parameters of overwintering pupae of Bactrocera oleae (Diptera:Tephritidae)**. BIOSCIENCE RESEARCH, 2018 15(2): 663-671
- DIKE Victor Nnamdi, ADDI Martin, ANDANG'O HezronAwiti, AttigBaharFaten, BARIMALALA Rondrotiana, DU PLESSIS, Marcel, **LAMINE Salim**, MONGWE N. Precious, Zaroug MAH10, OCHANDA, K.Valentine, DIASSO Ulrich Jacques. 2018. **Obstacles facing Africa's young climate scientists**. *Nature Climate Change*. Volume 8, pages 447–449 (2018). [dx.doi.org/10.1038/s41558-018-0178-x]
- **Book Chapter 2018:** Swati Suman, Matthew R. North, George P. Petropoulos, Prashant K. Srivastava, Jon P. McCalmont, Daniela Silva Fuzzo, **Salim Lamine**, Leonidas Toullos & Toby N. Carlson. **Modelling Key Parameters Characterising Land Surface in 1D Space using the SimSphere SVAT model: Findings from use at European Ecosystems**. In: Manika Gupta, Prashant K. Srivastava, George Tsakiris, Nevil Quinn (eds). *Agricultural Water Management: Theory, Abstratction and Practices*. ISBN 978-0128123621. **Academic Press**.

1st edition 2018. 416p.

- **Salim LAMINE**; Ian SAUNDERS, Saida BOUKHALFA, George P. PETROPOULOS, Nour El Islam BACHARI, Paul A. BREWER, Mark G. MACKLIN & Will HARESIGN. **2018. Assessing the potential of phytoremediation of heavy metals-contaminated soils by two willow species.** *The North African Journal of Food and Nutrition Research*: (2018) 02; suppl. (01): A1-A27. Article N°58.
- Bilal KIRDI, Jean-jacques DREVON, **Salim LAMINE**, Sidi Mohamed OUNANE. **2018. Nodulation diagnosis to assess effectiveness in phosphor use of cowpea (*Vigna unguiculata* L. walp.) for symbiotic nitrogen fixation under mediterranean conditions.** *The North African Journal of Food and Nutrition Research*: (2018) 02; suppl. (01): A1-A27. Article N°53.
- **Salim Lamine**; George P. Petropoulos; Sudhir Kumar Singh; Szilárd Szabó; Nour-el-islam Bachari; Prashant K. Srivastava; Swati Suman. **Quantifying Land Use/Land Cover Spatio-Temporal Landscape Pattern Dynamics From Hyperion Using SVMs Classifier and FRAGSTATS[®],** *Geocarto International*, **2018, 33 (8), 862-878.**
[<http://dx.doi.org/10.1080/10106049.2017.1307460>].
- Bahia Lallouche, Ammar Boutekrabt, Boubakr Hadjkouider, Leila Riahi, **Salim Lamine** and Néjia Zoghlami. **Use of physio-biochemical traits to evaluate the salt tolerance of five *Opuntia* species in the Algerian steppes,** *Pakistan Journal of Botany*, 49(3):837-845 **2017.**
- Boubakr Hadjkouider; Ammar Boutekrabt; Bahia Lallouche; **Salim Lamine**; Néjia Zoghlami. **Polymorphism analysis in some Algerian *Opuntia* species using morphological and phenological UPOV descriptors,** *Botanical Sciences*, 95 (3): 1-10, **2017**
[<http://dx.doi.org/10.17129/botsci.887>].
- George P. Petropoulos; Gareth Ireland; **Salim Lamine**; Hywel M. Griffiths; Nicholas Ghilain; Vasilieios Anagnostopoulos; Matthew R. North; Prashant K. Srivastava; Hro Georgopoulou. **Operational evapotranspiration estimates from SEVIRI in support of sustainable water management,** *International Journal of Applied Earth Observation and Geoinformation* 49. **2016.** 175–187 [<http://dx.doi.org/10.1016/j.jag.2016.02.006>].
- **Salim Lamine.** Book Review: **Hyperspectral Image Processing** By Ligu Wang & Chunhui Zhao. SENSED. Issue 61. July **2016.** The RSPSoc, School of Geography, University of Nottingham, NG7 2RD, UK
- **Salim Lamine**; Paul A. Brewer; George P. Petropoulos; Chariton Kalaitzidis; Kiril Manevski; Mark G. Macklin; Will Haresign. 2014. **Investigating the Potential of Hyperspectral Imaging (HSI) for the Quantitative Estimation of Lead Contamination in Soil (LCS).** Hyperspectral Imaging and Applications Conference, 15th & 16th October 2014, Ricoh Arena, Coventry, UK

INTERNATIONAL PROJECTS

I have got involved as a research assistant in the following international projects during my work with Dr. George Petropoulos in the UK, I participated in data collection, analysis and writing papers.

- PREMIER-EO, HPCW, Aberystwyth University, **UK**
- PROgRESSIon, ESA STSE, Aberystwyth University, **UK**
- ENViSIoN-EO, FP7-People project, Aberystwyth University, **UK**
- TRANSFOrM-EO, Aberystwyth University, **UK**