

Ali Fadhl HASAN

**Ph.D. in Remote sensing and forest sciences
AL-Muthanna University
Mob. . [009647803351816](#)
Email : alifadhl@mu.edu.fr**



DIPLOMAS

1. **2019 Doctoral Science of Forests, specialty "Remote Sensing") Department of Geography University of Le Mans, France.**
2. **2015: The distance learning internship on CLASlite software, Carnegie Institution for Science, Stanford University, USA.**
3. **2014: The information course on remote sensing in Agro Paris Tech center, Montpellier France.**
4. **2013: Obtaining the DELF A2 at the IEFE at UM3. Montpellier France.**
5. **2005: Master Science of Forestry, specialization "Remote sensing" of the Faculty of Agriculture and Forestry, Al-Mousil University, Iraq.**
6. **2002: Bachelor (Bachelor) in Forestry, Faculty of Agriculture and Forestry, Al-Mousil University, Iraq.**

SCIENTIFIC TITLES

1. **Assistant Professor:** May 2023, Al Muthanna University, Iraq.
2. **Lecturer:** January 2010 - January 2022, Al Muthanna University, Iraq.
3. **Teaching assistant:** June 2006 - December 2009, University of Al Qadisiya -Al Muthanna University Iraq

SCIENTIFIC AND ADMINISTRATIVE TASKS

1. 2022 head of the Scientific Affairs Department in the Al-Muthanna University Presidency, Iraq.
2. 2020 - 2021 head of the Scholarships and Cultural Relations Department in the Al-Muthanna University Presidency, Iraq.
3. 2007-2009: Head of Planning Department and Census Department in the Al-Muthanna University Presidency, Iraq.
4. 2009 - 2013: Teacher at the Faculty of Education, Department of Geography, Al Muthanna University, Iraq.
5. 2006 - 2009: Teacher at the Faculty of Agriculture, the production department of plants, Al Muthanna University, Iraq.

PUBLISHED RESEARCH

- Le Roux, Renan, Fabien Wagner, Lilian Blanc, Julie Betbeder, Valery Gond, Hélène Dessard, Beatriz Funatzu, et al. 2022. « How wildfires increase sensitivity of Amazon forests to droughts ». *Environmental Research Letters* 17 (avril): 044031. <https://doi.org/10.1088/1748-9326/ac5b3d>.
- « Remote Sensing | Free Full-Text | Spatio-Temporal Analysis of Sawa Lake's Physical Parameters between (1985–2020) and Drought Investigations Using Landsat Imagery ». s. d. Consulté le 24 août 2022. <https://www.mdpi.com/2072-4292/14/8/1831>.
- Drought sensitivity of pastures related to soil and landform in the eastern Amazon Journal of Applied Remote Sensing 024514-1 Apr-Jun 2021 • Vol. 15(2) USA Cumulative disturbances to assess forest degradation using spectral unmixing in the northeastern Amazon, Applied Vegetation Science. First published: 20 May 2019 USA

- The Potential of Multisource Remote Sensing for Mapping the Biomass of a Degraded Amazonian Forest, *Forests* 2018, 9, 303; doi:10.3390/f9060303, Basel, Switzerland.
- The use of Tropical Rainfall Measuring Mission (TRMM) and Enhanced vegetation index (EVI) to assess tropical forest degradation, 3rd Annual FLARE MEETING September 29th – October 2nd, 2017 Stockholm, University, Stockholm, Sweden.
- Le tournant environnemental en Amazonie : ampleur et limites du découplage entre production et déforestation, EchoGéo [Online], 41 | 2017, Online since 28 Septembre 2017, connections on 18 Octobre 2017 Switzerland.
- The use of Landsat time series for identification of forest degradation levels in the eastern Brazilian Amazon (Paragominas), Published in Analysis of Multitemporal Remote Sensing Images (MultiTemp), 9th International Workshop, 2017, Brugge, Belgium
- L'impact de la salinité des sols sur le développement des semis de certaines espèces d'arbres forestiers. » Magazine Uruk, Publication de university Al- Muthanna, juillet 2007, Irak.
- L'utilisation de la télédétection pour l'observation des changements environnementaux des marécages du Sud de l'Irak.» Magazine de Sciences, Université Dhi Qar, Mai 2009, Irak.
- L'utilisation de la télédétection pour l'étude de la géomorphologie du lac «SAWA» et de ses alentours au Sud de l'Irak », Université Dhi Qar, , Mars 2009, Irak

SCIENTIFIC CONFÉRENCES AND WORKSHOPS

1. ICARPAS 2021 1st International Conference on Advanced Research in Pure and Applied Science 24th-25th March 2021 Al-Muthanna University ([Iraq](#))

2. June 2019 Participation in the Conference of Natural Geography in Fortaleza **Brazil**.
3. October 2017: 3rd Annual FLARE MEETING, Forest, Climate and Livelihood Research Network (FOCALI), and the Rights and Resources Initiative (RRI) - Stockholm University, Stockholm, **Sweden**.
4. June 2017: Participation in the Conference of Multitemporal Remote Sensing Images (MultiTemp) - Brugge, **Belgium**.
5. April 2015: Participation in the Conference of Tropical Managed Forest Observatory, Embrapa - Belem, **Brazil**.
6. November 2014: Participation in the Conference of Envibras 2014: Environment and Geomatics: Comparative Approaches France - Brazil. University of RENNES, **France**.
7. November 2010: Speaker at the Scientific Conference on the Problem of Desertification - Faculty of Education - Department of Geography, University of Muthanna-Iraq: on the use of remote sensing to study the Dust (dust) phenomenon, in **Iraq**.
8. April 2009: Speaker at the Scientific Conference on: "The Impact of Water Scarcity on the Development of the Natural and Social Marshlands Environment, Faculty of Education, Dhi Qar University - Iraq": Subject of the study: certain chemical characteristics of the marshy waters of southern **Iraq**.
9. March 2009: Speaker on the use of remote sensing for the study of the geomorphology of Lake "SAWA" and its surroundings in southern Iraq. Faculties of Education of Dhi Qar University - **Iraq**.
10. May 2007: Member of the Preparatory Committee on The Wetlands of Iraq: "Possibility of Sustainable Development", Al Qadisiya University, Faculty of Agriculture, **Iraq**.

TRAINING

1. From January to April 2014: remote control internship at CIRAD, under the supervision of Christine CORBIN, "Temporal analysis of NDVI and the result of supervised classification to detect the Vegetation Changes in north Iraq".
2. January 13 - 17, 2014: Internship on remote sensing information extraction, Agro Paris Tech -Montpellier.
3. January 2013 to January 2014: French language course in Montpellier, the center of French language IAMM.

4. September 2011: Practical internship on geographic information systems (GIS) and Remote Sensing, Faculty of Education, Al Muthanna University, Iraq.
5. April- September 2004: Practical internship on the use of analysis devices and visual interpretations of satellite images and aerial photos, Center for Remote Sensing, Al Mosul University, Iraq

RESEARCH PROJECTS

1. Eco-efficiency and sustainable territorial development in the Brazilian Amazon. – ECOTERA Brazil 2014-2017.
2. The reasons of Sawa lake drought Iraq 2021-2022 .

LANGUAGES

1. Arabic: mother tongue
2. English: good level (the language of instruction)
3. French: DELF A2 level

SOFTWARE

Microsoft Office

ENVI

QGIS

ArcGIS

ERDAS Imagine

CLASlite

R Studio

علي فاضل حسن

دكتوراه في الاستشعار عن بعد وعلوم الغابات

جامعة المثنى

Mob. - 009647803351816

Email - alifadhil@mu.edu.fr

الشهادات

1. 2019 دكتوراه في علوم الغابات تخصص "الاستشعار عن بعد") قسم الجغرافيا جامعة لومان ، فرنسا.
2. 2015 تدريب التعلم عن بعد على برنامج CLASlite ، معهد كارنيجي للعلوم ، جامعة ستانفورد ، الولايات المتحدة الأمريكية.
3. 2014 الدورة الإعلامية حول الاستشعار عن بعد في Agro Paris Tech Center ، مونبلييه فرنسا.
4. 2013 الحصول على DELF A2 في IEFU في UM3 مونبلييه فرنسا.
5. 2005 ماجستير علوم الغابات تخصص "الاستشعار عن بعد" من كلية الزراعة والغابات ، جامعة الموصل ، العراق.
6. 2002 بكالوريوس (بكالوريوس) في الغابات ، كلية الزراعة والغابات ، جامعة الموصل ، العراق.

الألقاب العلمية

- أستاذ مساعد: أيار 2023 ، جامعة المثنى ، العراق
- مدرس: يناير 2010 - يناير 2022 ، جامعة المثنى ، العراق.
- مدرس مساعد: حزيران 2006 - كانون الأول 2009 ، جامعة القادسية - جامعة المثنى العراق

المهام العلمية والإدارية

1. 2002 – لحد الان : رئيس قسم الشؤون العلمية في رئاسة جامعة المثنى ، العراق.
2. 2020 – 2021: رئيس قسم الابتعاث والعلاقات الثقافية في رئاسة جامعة المثنى ، العراق.
3. 2007-2009: رئيس قسم التخطيط والمتابعة في رئاسة جامعة المثنى ، العراق.
4. 2009 - 2013: مدرس في كلية التربية ، قسم الجغرافيا ، جامعة المثنى ، العراق.
5. 2006 - 2009: مدرس في كلية الزراعة ، قسم إنتاج النباتات ، جامعة المثنى ، العراق.

البحوث المنشورة

- Le Roux, Renan, Fabien Wagner, Lilian Blanc, Julie Betbeder, Valery Gond, Hélène Dessard, Beatriz Funatzu, et al. 2022. « How wildfires increase sensitivity of Amazon forests to droughts ». *Environmental Research Letters* 17 (avril): 044031.
<https://doi.org/10.1088/1748-9326/ac5b3d>.
- « Remote Sensing | Free Full-Text | Spatio-Temporal Analysis of Sawa Lake's Physical Parameters between (1985–2020) and Drought Investigations Using Landsat Imageries ». s. d. Consulté le 24 août 2022.
<https://www.mdpi.com/2072-4292/14/8/1831>.
- Drought sensitivity of pastures related to soil and landform in the eastern Amazon Journal of Applied Remote Sensing 024514-1 Apr-Jun 2021 • Vol. 15(2) USA Cumulative disturbances to assess forest degradation using spectral unmixing in the northeastern Amazon, Applied Vegetation Science. First published: 20 May 2019 USA
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- The use of Tropical Rainfall Measuring Mission (TRMM) and Enhanced vegetation index (EVI) to assess tropical forest degradation, 3rd Annual FLARE MEETING

September 29th – October 2nd, 2017 Stockholm, University, Stockholm, Sweden.

- Le tournant environnemental en Amazonie : ampleur et limites du découplage entre production et déforestation, EchoGéo [Online], 41 | 2017, Online since 28 Septembre 2017, connections on 18 Octobre 2017 Switzerland.
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- L'utilisation de la télédétection pour l'observation des changements environnementaux des marécages du Sud de l'Irak.» Magazine de Sciences, Université Dhi Qar, Mai 2009, Irak.
- L'utilisation de la télédétection pour l'étude de la géomorphologie du lac «SAWA» et de ses alentours au Sud de l'Irak », Université Dhi Qar, , Mars 2009, Irak

المؤتمرات وورش العمل العلمية

11. ICARPAS 2021 1st International Conference on Advanced Research in Pure and Applied Science 24th-25th March 2021 Al-Muthanna University ([Iraq](#))

12. June 2019 Participation in the Conference of Natural Geography in Fortaleza [Brazil](#).

13. October 2017: 3rd Annual FLARE MEETING, Forest, Climate and Livelihood Research Network (FOCALI), and the Rights and Resources Initiative (RRI) - Stockholm University, Stockholm, **Sweden**.
14. June 2017: Participation in the Conference of Multitemporal Remote Sensing Images (MultiTemp) - Brugge, **Belgium**.
15. April 2015: Participation in the Conference of Tropical Managed Forest Observatory, Embrapa - Belem, **Brazil**.
16. November 2014: Participation in the Conference of Envibras 2014: Environment and Geomatics: Comparative Approaches France - Brazil. University of RENNES, **France**.
17. November 2010: Speaker at the Scientific Conference on the Problem of Desertification - Faculty of Education - Department of Geography, University of Muthanna-Iraq: on the use of remote sensing to study the Dust (dust) phenomenon, in **Iraq**.
18. April 2009: Speaker at the Scientific Conference on: "The Impact of Water Scarcity on the Development of the Natural and Social Marshlands Environment, Faculty of Education, Dhi Qar University - Iraq": Subject of the study: certain chemical characteristics of the marshy waters of southern **Iraq**.
19. March 2009: Speaker on the use of remote sensing for the study of the geomorphology of Lake "SAWA" and its surroundings in southern Iraq. Faculties of Education of Dhi Qar University - **Iraq**.
20. May 2007: Member of the Preparatory Committee on The Wetlands of Iraq: "Possibility of Sustainable Development", Al Qadisiya University, Faculty of Agriculture, **Iraq**.

الدورات التدريبية

1. من كانون الثاني (يناير) إلى نيسان (أبريل) 2014: تدريب على التحكم عن بعد في CIRAD ، تحت إشراف كريستين كوربين ، "التحليل الزمني لـ NDVI ونتيجة التصنيف الخاضع للإشراف لاكتشاف التغيرات النباتية في شمال العراق".
2. 13 - 17 يناير 2014: تدريب داخلي في استخراج معلومات الاستشعار عن بعد ، Agro Paris Tech -Montpellier
3. يناير 2013 إلى يناير 2014: دوره اللغة الفرنسية في مونبلييه ، مركز اللغة الفرنسية IAMM.
4. سبتمبر 2011: تدريب عملي في نظم المعلومات الجغرافية (GIS) والاستشعار عن بعد ، كلية التربية ، جامعة المثنى ، العراق.
5. نيسان - أيلول 2004: تدريب عملي على استخدام أجهزة التحليل والتفسيرات المرئية لصور الأقمار الصناعية والصور الجوية ، مركز الاستشعار عن بعد ، جامعة الموصل ، العراق

المشاريع البحثية

1. الكفاءة البيئية والتنمية الإقليمية المستدامة في منطقة الأمازون البرازيلية. - ايكوتيرا البرازيل 2014-2017.
2. أسباب جفاف بحيرة سوا العراق 2021-2022

اللغات

1. اللغة العربية: اللغة الأم
2. اللغة الإنجليزية: مستوى جيد (لغة التدريس)
3. الفرنسية: DELF A2 level

البرمجيات

Microsoft Office

ENVI

QGIS

ArcGIS

ERDAS Imagine

CLASlite

R Studio

