

Curriculum Vitae (CV)

السيرة الذاتية

استاد مشارك د. مفتاح سالم محمد الفتني
Associate Prof. Dr. Meftah Salem Alfatni

مكتب شؤون الوزارة للبحث العلمي، وزارة التعليم العالي والبحث العلمي، طرابلس، ليبيا.
مكتب المستشارين، الهيئة الليبية للبحث العلمي، طرابلس، ليبيا.

**Office of deputy of the Ministry of Higher Education and Scientific Research
for scientific research affairs, Tripoli, Libya.**

Advisors Office, Libyan Authority for Scientific Research, Tripoli, Libya.



Tel: 00218923663433, 00218913063497

Viber & WhatsApp: 00218923663433

E-mail: meftah_salem@aonsrt.ly

meftah_salem@asmarya.edu.ly

mefth2000@yahoo.com

mefth1083@gmail.com

1. Personal Details:

بيانات شخصية

Name: Meftah Salem M. Alfatni

Nationality: Libyan

Date of Birth: 26 Jul 1976

Gender: Male

Marital Status: Married

Home Address: Alkhomes – Libya

الاسم: مفتاح سالم محمد الفتني

الجنسية: ليبي

تاريخ الميلاد: 26 \ 7 \ 1976

الجنس: ذكر

الحالة الاجتماعية: متزوج

العنوان: الخمس - ليبيا

2. Area of Specialization:

مجال

التخصص

هندسة الكمبيوتر، رؤية الكمبيوتر، معالجة الصور الرقمية، تكنولوجيا المعلومات، التعلم الآلي، التعلم العميق، الذكاء الاصطناعي، الاستشعار عن بعد.

Computer Engineering, Computer Vision, Digital Image Processing, IT, Machine Learning, Deep Learning, Artificial intelligence, Remote Sensing.

3. Academic Qualification: المؤهل العلمي

1. شهادة الدكتوراه (هندسة الحاسوب والاستشعار عن بعد) جامعة بوترا ماليزيا. 2014.
1. Ph.D. (Computer Engineering and Remote Sensing) University Putra Malaysia, 2014.
2. شهادة الماجستير (هندسة الحاسوب والاستشعار عن بعد) جامعة بوترا ماليزيا. 2007.
2. Master's degree (Computer Engineering and Remote Sensing) University of Putra Malaysia, 2007.
3. شهادة البكالوريوس (هندسة الحاسوب) كلية الهندسة تاجورا. 1999.
3. Bachelor's degree (Computer Engineering) Tajoura College of Engineering, 1999.

4. Academic Degree: الدرجة العلمية

February 2021 - date:

Associate Professor

استاذ مشارك

Advisors Office,

Libyan Authority for Scientific Research,

Tripoli, Libya

February 2017 - February 2021:

Assistant Professor

استاذ مساعد

Computer science department

Faculty of Information Technology,

Al-Asmarya Islamic University (AIU),

Zliten, Libya.

June 2016 - February 2017:

Lecturer

محاضر

Computer science department

Faculty of Information Technology,

Al-Asmarya Islamic University (AIU),

Zliten, Libya.

December 2013 – June 2016

Postdoctoral Researcher

دكتور باحث

Faculty of Engineering,
Universiti Putra Malaysia
Serdang, Malaysia.

July 2008 - December 2013:

PhD Student

طالب دكتوراه

(Computer Vision Application in Agricultural Crop Quality Inspection).

GIS & Geomatic Engineering,
Faculty of Engineering,
Universiti Putra Malaysia
Serdang, Malaysia.

July 2004 - March 2007:

Master of Science Student

طالب ماجستير

(Remote Sensing & GIS).

Faculty of Engineering,
Universiti Putra Malaysia
Serdang, Malaysia.

December 1994 – September 1999:

Bachelor of Science Student

طالب بكالوريوس

(Computer Engineering)

Engineering Academy.

Tajora, Libya.

5. Skills:

المهارات

1. Scientific Research
2. Scientific Paper with Searching, Writing and publishing skills
3. Prize presentation software.
4. Multimedia & Internet skills.
5. MatLab programming language.
6. LabView programming language.

6. Language Proficiency إجادة اللغة

	Reading قراءة	Writing كتابة	Listening استماع	Speaking محادثة
Arabic Language اللغة العربية	Excellent ممتاز	Excellent ممتاز	Excellent ممتاز	Excellent ممتاز
English Language اللغة الانجليزية	Excellent ممتاز	Excellent ممتاز	Excellent ممتاز	Excellent ممتاز

7. Professional membership العضوية المهنية

1. Institution of Geospatial and Remote Sensing Malaysia (IGRSM).
عضو بمؤسسة الاستشعار عن بعد الماليزية
2. Member of the editorial board, Journal of Social Sciences, BaytAlhikma, Baghdad, Iraq.
عضو هيئة تحرير، مجلة العلوم الاجتماعية، بيت الحكمة، بغداد، العراق
3. Member of the editorial board, Journal of Management and social perspectives, Oran, Algeria.
عضو هيئة تحرير، مجلة القلم للعلوم الطبية والتطبيقية، طرابلس، ليبيا.
4. Member of the editorial board, AlQalam Journal of Medical and Applied Sciences (AJMAS), Tripoli, Libya.
عضو هيئة تحرير، مجلة الإدارة والمنظورات الاجتماعية، وهران، الجزائر.

8. Work / Administrative Experience: الوظائف / الخبرة الإدارية

1. **مستشار علمي، مكتب شؤون الوزارة للبحث العلمي، وزارة التعليم العالي والبحث العلمي، طرابلس، ليبيا، من تاريخ 15 أغسطس 2021، مستمر الى هذا التاريخ.**
 1. **15 August 2021 - date: scientific advisor**, Office of deputy of the Ministry of Higher Education and Scientific Research for scientific research affairs, Ministry of higher education, Tripoli, Libya.
2. **مستشار علمي، مكتب المستشارين، الهيئة الليبية للبحث العلمي، طرابلس، ليبيا، من تاريخ 02 ماي 2021، مستمر الى هذا التاريخ.**
 2. **02 May 2021 -date: scientific advisor**, Advisors Office, Libyan Authority For Scientific Research, Tripoli, Libya.

- 3. رئيس مركز تقنية المعلومات بالجامعة الاسمرية الاسلامية، زليتن، ليبيا، من تاريخ 15 يوليو 2019 الى 02 ماي 2021.**
3. **15 July 2019 - 02 May 2021: Head**, Information Technology Center (ITC), Al-Asmarya Islamic University (AIU), Zliten, Libya.
- 4. عضو اللجنة العلمية للجنة شؤون أعضاء هيئة التدريس بالجامعة الاسمرية الاسلامية، زليتن، ليبيا، من تاريخ 01 اكتوبر 2019 الى 02 ماي 2021 .**
4. **15 July 2019 - 02 May 2021: Head**, Member of the Scientific Committee of the staff Members Affairs Committee, Al-Asmarya Islamic University (AIU), Zliten, Libya.
- 5. رئيس مكتب الاستشارات الفنية بالجامعة الاسمرية الاسلامية، زليتن، ليبيا.**
5. **13 April 2019 15 July 2019: Director**, Technical Consulting Office (TCO), Al-Asmarya Islamic University (AIU), Zliten, Libya.
- 6. عميد كلية تقنية المعلومات، جامعة المرقب، الخمس، ليبيا.**
6. **24 October 2017 – 13 April 2019: Dean**, Faculty of Information Technology, Elmergib University (AU), Al-Khomes, Libya.
- 7. رئيس قسم علوم الحاسوب، كلية تقنية المعلومات، الجامعة الاسمرية الاسلامية، زليتن، ليبيا.**
7. **21 February 2017 - 24 October 2017: Lecturer and Head** of Computer Science Department, Faculty of Information Technology, Al-Asmarya Islamic University (AIU), Zliten, Libya.
- 8. رئيس قسم البحوث والاستشارات، كلية تقنية المعلومات، الجامعة الاسمرية الاسلامية، زليتن، ليبيا.**
8. **10 June 2016 - 21 February 2017: Lecturer and Head** of Research and Consulting Office, Faculty of Information Technology, Al-Asmarya Islamic University (AIU), Zliten, Libya.
- 9. دكتور باحث، كلية الهندسة، الجامعة الملكية الماليزية، سردانق، ماليزيا.**
9. **16 April 2014 – 6 June 2016: Post doctorate** in the field of Computer Vision application, Faculty of Engineering, Universiti Putra Malaysia, Serdang, Malaysia.
- 10. ممثل دولة ليبيا، رابطة الطلاب الدوليين لسنة 2010 2011، الجامعة الملكية الماليزية، سردانق، ماليزيا.**
10. **01 January 2010 to 30 December 2010: country Representative** Libya, International Students' Association (UPMISA) 2010 – 2011, Universiti Putra Malaysia.

11. باحث في استخدامات هندسة الكمبيوتر، كلية الهندسة، الجامعة الملكية الماليزية، سردانق، ماليزيا.
11. 01 Jul 2004 to 9 December 2013: Researcher, Computer Engineering, Computer vision application, Geospatial Information Science Research Centre, Faculty of Engineering, Universiti Putra Malaysia.

12. محاضر و مهندس كمبيوتر، بالدولة الليبية،
12. Jan 2000 to September 2003: Lecturer, Computer Engineer, Department of Computer Engineering, Libyan Government.

9. اللجان المكلف بها

1. عضو اللجنة العلمية، بالمؤتمر المؤتمر الدولي الأول حول الذكاء الاصطناعي التوليدي "الأبحاث الحالية، اتجاهات الصناعة، والابتكارات"، 09 – 10/04/2025، فندق المهاري، طرابلس، ليبيا.

1. The Scientific Committee Member, the First International Conference on Generative AI: Current Research, Industry Trends, and Innovations, 09 – 10/04/2025, Al-Mahari Hotel, Tripoli, Libya.

2. عضو اللجنة التحضيرية، بالمؤتمر العلمي الدولي الحادي عشر الدولي " الهجرة واللجوء والتحديات الإنسانية بين المسؤولية الدولية والالتزامات الوطنية "، 11 – 12/12/2024، بيت الحكمة، بغداد، العراق.

2. The Preparatory Committee Member, 11th International Scientific Conference "Migration, Asylum and Humanitarian Challenges between International Responsibility and National Obligations", 11-12/12/2024, House of Wisdom, Baghdad, Iraq.

3. عضو اللجنة العلمية، بالمؤتمر العلمي الدولي السادس عشر " جيو تونس "، 18 – 22/11/2024، ياسمين الحمامات ، الجمهورية التونسية.

3. The Scientific Committee Member, 16th International Scientific Conference "Geo Tunisia", 18-22/11/2024, Yasmine Hammamet, Republic of Tunisia.

4. رئيس لجنة تنفيذ اتفاقية المجلس الأعلى للدولة مع الهيئة الليبية للبحث العلمي، الهيئة الليبية للبحث العلمي، 2024م، طرابلس، ليبيا.

4. Chair of the Committee for the Implementation of the Supreme Council of State Agreement with the Libyan Authority for Scientific Research, the Libyan Authority for Scientific Research, 2024, Tripoli, Libya.
5. **عضو اللجنة العلمية، بالمؤتمر العلمي "افق لتقنية المعلومات"، جامعة مصراته 2024م، مصراته، ليبيا.**
5. Member of the Scientific Committee, at the Scientific Conference "Horizons of Information Technology", Misurata University 2024, Misurata, Libya.
6. **رئيس لجنة تنفيذ اتفاقية هاتف ليبيا مع الهيئة الليبية للبحث العلمي، الهيئة الليبية للبحث العلمي، 2023م، طرابلس، ليبيا.**
6. Chair of the Committee for the Implementation of the Libya Telephone Company Agreement with the Libyan Authority for Scientific Research, the Libyan Authority for Scientific Research, 2023, Tripoli, Libya.
7. **عضو اللجنة التنظيمية، الندوة العلمية "البحث العلمي والدراسات العليا إشكالات وحلول"، وزارة التعليم العالي والبحث العلمي 2022م، طرابلس، ليبيا.**
7. Member of the Organizing Committee, Scientific Symposium "Scientific Research and Postgraduate Studies, Problems and Solutions", Ministry of Higher Education and Scientific Research 2022, Tripoli, Libya.
8. **رئيس اللجنة العلمية، المؤتمر الدولي الثاني حول المصادر التعليمية المفتوحة والمستودعات الرقمية الجامعة الأسمرية الإسلامية 2021م**
8. Head of the scientific committee of The Second Libyan International Conference on Open Educational Resources and Digital Repositories, which will be held in 2021 at Al-Asmarya Islamic University, Zliten, Libya.
9. **رئيس اللجنة الفنية للمؤتمر السنوي الأول لكلية الاقتصاد والتجارة والذي عقد في الجامعة الأسمرية الإسلامية زلتن ليبيا في الفترة من 25 إلى 26 نوفمبر 2020م**
9. Head of the technical committee of the first annual conference of the Faculty of Economics and Trade, which was held in Al-Asmarya Islamic University, Zliten, Libya from 25 to 26 November 2020.

10. عضو اللجنة العلمية، المؤتمر العلمي الدولي الثالث للقياس الجيومورفومتري التطبيقي ونظام المعلومات الجغرافية والاستشعار عن بعد في علوم الأرض والبيئة بتاريخ **20** الى **24** نوفمبر **2019**، بيروت، لبنان.

10. Scientific committee member at The Third INTERNATIONAL SCIENTIFIC Conference Applied Geomorphometry, GIS and Remote Sensing in Earth Sciences and Environment, which will be held in Beirut, Lebanon from 20 to 24 NOV 2019.

11. عضو اللجنة العلمية، المؤتمر الدولي الخامس للمياه والطاقة والأغذية والتكنولوجيا الزراعية بتاريخ **20** الى **23** مارس **2019**، اسطنبول، تركيا.

11. Scientific committee member at "The 5th International Conference on Water, Energy, Food and Agricultural Technology - Istanbul, Turkey, 20-23 March 2019.

12. عضو اللجنة العلمية، المؤتمر الدولي الثاني عشر لنظم المعلومات الجغرافية وتطبيقات الأرض الجغرافية تونس بتاريخ **26** الى **30** نوفمبر **2018**، الحمامات، تونس.

12. Scientific committee member at "The 12th International Congress of Gis and Geospace Applications Geo-Tunis", LAICO Hotel: Hammamet, Tunisia from 26 to 30 NOV 2018.

13. عضو اللجنة العلمية، المؤتمر الاول للعلوم الهندسية والتكنولوجيا **CEST 2018** بتاريخ **25** الى **27** سبتمبر **2018**، القره بولي، ليبيا.

13. Conference committee member at "The First Conference for Engineering Sciences and Technology CEST-2018", September 25 – 27 / 2018 – Garaboulli, Libya.

14. عضو اللجنة العلمية، المؤتمر والمعرض الدولي السادس للاستشعار عن بعد ونظم المعلومات الجغرافية **MRSS** بتاريخ **28** الى **29** ابريل **2010**، كوالا لمبور، ماليزيا.

14. Conference committee member at "MRSS 6th International Remote Sensing & GIS Conference and Exhibition", on April 28-29, 2010 at PWTC, Kuala Lumpur, Malaysia

15. رئيس لجنة الامتحانات النهائية للطلاب للفصل الدراسي الخريفي من العام الجامعي **2017/2016**، كلية تقنية المعلومات، الجامعة الاسمرية الإسلامية، زليتن، ليبيا.

15. Chairman of the Committee for the final examinations of students for the fall semester of the academic year 2016/2017, Faculty of Information Technology, Al-Asmarya Islamic University, Zliten, Libya

16. رئيس لجنة مراجعة الامتحانات النهائية للفصل الدراسي الخريفي من العام الجامعي 2016/2017 ، كلية تقنية المعلومات ، الجامعة الاسمرية الإسلامية ، زليتن ، ليبيا.

16. Chairman of the committee to review the final exams for the fall semester of the academic year 2016/2017, Faculty of Information Technology, Al-Asmarya Islamic University, Zliten, Libya

17. رئيس لجنة مراجعة الامتحانات النهائية للفصل الدراسي الخريفي من العام الجامعي 2016/2017 ، كلية تقنية المعلومات ، الجامعة الاسمرية الإسلامية ، زليتن ، ليبيا.

17. Chairman of the Committee for the examination of the differentiation of the Department of Computer Science For applicants of new staff, Faculty of Information Technology, Al-Asmarya Islamic University, Zliten, Libya

18. عضو لجنة توطين أعضاء هيئة التدريس في الأقسام العلمية ، كلية تقنية المعلومات ، جامعة الأسمرية الإسلامية ، زليتن ، ليبيا.

18. Member of the Committee for the Settlement of faculty members in scientific departments, Faculty of Information Technology, Al-Asmarya Islamic University, Zliten, Libya

19. عضو لجنة اعداد دليل كلية تقنية المعلومات ، الجامعة الإسلامية الأسمرية ، زليتن ، ليبيا.

19. Member of the committee to complete the manual of the Faculty of Information Technology, Al-Asmarya Islamic University, Zliten, Libya

20. عضو لجنة خارجية لامتحان المفاضلة للمتقدمين من الموظفين الجدد بقسم علوم الحاسوب ، كلية تقنية المعلومات ، جامعة المرقب ، زليتن ، ليبيا.

20. Member of an external committee for the examination of the differentiation of the Department of Computer Science For applicants of new staff, Faculty of Information Technology, Al-Mergeb University, Zliten, Libya.

21. عضو لجنة في برنامج " PALM OIL MILLING TECHNOLOGY COLLOQUIUM 2016 (POMTeC'16) " ، الذي نظمته جامعة بوترا ماليزيا (UPM) ، Universiti Teknologi Mara و (UiTM) Universiti Teknologi Malaysia (UTM) .

21. Successfully participated in the program "PALM OIL MILLING TECHNOLOGY COLLOQUIUM 2016 (POMTeC'16)" which held on HOTEL UiTM SHAH ALAM, 30th -31th March 2016, jointly organized by Universiti Putra Malaysia (UPM), Universiti Teknologi Mara (UiTM) and Universiti Teknologi Malaysia (UTM).

22. عضو لجنة في برنامج "GIS Day 2009" الذي عقد في 11-فبراير 2009 ، والذي نظّمته جامعة بوترا ماليزيا (UPM) والجمعية الماليزية للاستشعار عن بعد (MRSS).

22. Successfully participated as a Member of the committee in the program "GIS Day 2009" which held on 11th February 2009, jointly organized by Universiti Putra Malaysia (UPM) and Malaysian Remote Sensing Society (MRSS).

23. عضو لجنة في برنامج "GIS Day 2010" الذي عقد في 11-فبراير 2010 ، والذي نظّمته جامعة بوترا ماليزيا (UPM) والجمعية الماليزية للاستشعار عن بعد (MRSS).

23. Successfully participated as a Secretariat in the program "GIS Day 2010" which held on 4th March 2010, jointly organized by Universiti Putra Malaysia (UPM) and Malaysian Remote Sensing Society (MRSS).

10. Training Responsibilities:

مسؤوليات التعليم و التدريب

1. **Instructor** in five (5) day of 25 hours' Training course on "**Building a roadmap for digital transformation** " which was held on from 29/12/2024 to 03/01/2025 at Corinthia Hotel, Tripoli, Libya organized by Libyan Academy For Telecom and Informatics & Libyana Mobile network operator company, Tripoli, Libya.
2. **Lecturer** in three (3) day' workshop to develop research skills on "**Publication of scientific research in high quality international scientific journals** "on line training course which was held on 12, 13, 14 December 2023, organized by baytalhikma, Bagdad, Iraq.
3. **Lecturer** in tow (2) days' workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 04 and 11 Mar 2023, organized by Scientific Forum for Libyan Students in Malaysia and Libyan School in Kuala Lumpur, Kuala Lumpur, Malaysia.
4. **Lecturer** in one (1) day' workshop to develop research skills on "**Publication of scientific research in high quality international scientific journals** " training course which was held on 25 January 2023, organized by Higher Institute of Marine Science Technologies in Sabratha, Libya.

5. **Lecturer** in tow (2) days' workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 02 - 03 August 2022, organized by Libyan Center for Land and Marine Environment Research in Zuwara, Libya.
6. **Lecturer** in tow (2) days' workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 29 & 31 March 2022, organized by Biotechnology Research Center in Tripoli, Libya.
7. **Virtual Opening lecture** untitled "**The scientific research & the Research Paper and their effective role in developing the higher education system**" which was held on 20 March 2021, organized by The 13th International Congress of Gis and Geospace Applications Geo-Tunis, **Tunisia**.
8. **Lecturer** in one day workshop about the scientific research and its impact on third world countries untitled "**The scientific research & the Research Paper and Skills of Searching, writing and publishing**" organized by the Union Euro Arab of Geomatics & Academy of Engineering and Medical Science & Al-Hattan Center for Studies and Research on **Scientific Excellence Award 2020** – 26-28 February 2020, **Khartoum, Sudan**.
9. **Lecturer** in one day workshop through Wheel project for Libyan higher education development untitled "**The ICT & Infrastructures for Libyan's higher education development**" organized by the International Cooperation Office at Alasmarya Islamic University – 6 February 2020, Zliten, Libya.
10. **Lecturer** in one day workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" which was held on 28 December 2018, organized by the 5th International Conference on Water, Energy, Food and Agricultural Technology - 20-23 March 2019, Crown Plaza Istanbul HarbiyeCO Hotel: **Istanbul, Turkey**.
11. **Lecturer** in one day workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" which was held on 28 December 2018, organized by The 12th International Congress of Gis and Geospace Applications Geo-Tunis, LAICO Hotel: **Hammamet, Tunisia**.

12. **Lecturer** in tow (2) days' workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 13 - 14 November 2018, organized by Solar Research and Studies Center in Tripoli, Libya.
13. **Lecturer** in tow (2) days' workshop to develop research skills on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 20 and 21 February 2017, organized by Faculty of Engineering, Al-Mergeb University (AIU), Al Garaboulli, Libya..
14. **Lecturer** in one day workshop development program on "**The Research Paper and Skills of Searching, writing and publishing**" training course which was held on 28 April 2018, jointly organized by Scientific Forum for Libyan Students Malaysia & Libyan Embassy in Malaysia.
15. Successfully participated as **Lecturer** in Two days' workshop development program entitled "**Scientific Research and Research Paper and their Effective Role in the Development of Individual Skills and Local Product (Cement)**" organized by the Technical Department and Training Department of at the National Company for Cement, Al-Khamis, Libya on 13-14 February 2018.
16. Successfully participated as **Lecturer** in One day' workshop development program entitled "**The Research Paper and Skills of Search, writing and publishing**" training course which was held on 23 February 2017, organized by Faculty of Economics , Al-Asmarya Islamic University (AIU), Zliten, Libya.
17. Successfully participated as **Lecturer** in Two days' workshop development program on "**The Research Paper and Skills of Search, writing and publishing**" training course which was held on 20 and 21 February 2017, organized by Faculty of Economics (Research and Consulting Office), Al-Mergeb University (AIU), Al-Khoms, Libya.
18. Successfully participated as **Lecturer** in Two days' workshop development program on "**The Research Paper and Skills of Search, writing and publishing**" training course which was held on 30 and 31 August 2016, jointly organized by Faculty of Information Technology (Research and Consulting Office) & Faculty Members Guild , Al-Asmarya Islamic University (AIU), Zliten, Libya.

19. Successfully Participated as **Training Demonstrator** in the module “**Geospatial Training**” which was held on March 24, 2016, jointly organized by Universiti Putra Malaysia (UPM) & Malaysian Rubber Board (MRB).
20. Successfully participated as **Lecturer** in one-day workshop development program on “**The Research Paper and Skills of Search and publishing**” training course which was held on 28 October 2015, jointly organized by Higher Institute of comprehensive occupations, Misurata, Libya.
21. Successfully participated as **Lecturer** in one day workshop development program on “**The Research Paper and Skills of Search and publishing**” training course which was held on 17 January 2015, jointly organized by Universiti Putra Malaysia (UPM) & Libyan Embassy.
22. Successfully participated as **Lecturer** in one day workshop development program on “**The Research Paper and Skills of Search and publishing**” training course which was held on 24 December 2014, jointly organized by Universiti Putra Malaysia (UPM) & Libyan Embassy.
23. Successfully Participated as **Training Demonstrator** in the program “**Training on GPS Lining of Oil Palm and Precision Farming**” which was held on 17 April 2012, jointly organized by Universiti Putra Malaysia (UPM) & Malaysian Palm Oil Board (MPOB).
24. Successfully Participated as **Training Demonstrator** in the program “Precision Farming module of the **Intensive Diploma** in Oil Palm Management & Technology (IDOPMT)” on 20 July 2009, Organized by Malaysian Palm Oil Board (MPOB) & Universiti Putra Malaysia (UPM).
25. Successfully participated as **Lecturer** in one day workshop development program on “**How to choose appropriate scientific journal of the research paper**” which was held on 12 April 2009, jointly organized by Universiti Putra Malaysia (UPM) & Libyan Embassy.

11. Teaching Responsibilities:

مسؤوليات التدريس

1. Digital image processing.
2. Computer architecture & organization.

3. Cloud computing.
4. English for Information Technology.
5. Research methodology.

6. Courses/Trainings/Workshop Attended:

دورات / تدريب / ورش عمل تم حضورها

1. Successfully participated and completed a 2 weeks professional development program on **“Training of trainers (TOT) to develop the skills of faculty members in Libyan universities”** in Azawia University, Libya from 1 to 15 December 2021, organized by **Ministry of Higher Education and Scientific Research, Tripoli, Libya.**
5. Successfully participated and completed a 2 days professional development program on **“MATLAB Workshop”** training course in Malaysia on 5 & 6 Sep 2006, organized by **IEEE UKM STUDENT BRANCH, Faculty of Engineering, UKM.**
6. Successfully Participated and completed the **“Lab VIEW Basic I: Introduction”** training course in Malaysia last 2-4 November 2009, organized by **National Instruments.**
7. Successfully participated and completed the **“Lab VIEW Basic II: Development”** training course in Malaysia last 3-4 December 2009, organized by **National Instruments.**
8. Successfully participated and completed a 12-hour professional development program on **“IMAGE PROCESSING: TEXTURE ANALYSIS WITH MATLAB HANDS-ON APPLICATIONS”** training course in Malaysia on 9&10 Aug 2010, organized by **Professor Maria Petrou** under **TEKBAC GROUP OF COMPANIES.**

7. Research Projects:

المشاريع البحثية

1. Successfully designed and developed a full real-time fruit grading system (**hardware & software**) algorithm based on **LabView and MatLab** programming language.

8. Graduation Projects Supervision:

الإشراف على مشاريع التخرج

No	Title	Degree	University	State
1.	Designing and implementing an electronic system for the management of postgraduate studies at the Al-Asmarya Islamic University	Undergraduate	Alasmarya Islamic University	Completed
2.	Designing and developing the digital repository of the Al-Asmarya Islamic University based on the inclusion of open educational resources locally, regionally and internationally	Undergraduate	Alasmarya Islamic University	Completed
3.	Electronic Health File System using a "fingerprint sensor"	Undergraduate	Alasmarya Islamic University	Completed
4.	Un-destructive Dental Panoramic X-Ray Tooth Caries Detection System Using Computer Vision based Supervised Machine Learning	Master	Libyan Academy – Misurata Branch	Completed
5.	Climate and Weather Events Extraction System from Arabic News Text for Prediction Application	Master	Misurata University	Completed
6.	Performance development of a Pre-trained MU-Net Model for Interpreting Medical Imaging Results (MRI of Brain Tumor Segmentation)	Master	Libyan Academy for Postgraduate Studies	Continues

9. Award, Medals and Recognitions: الجوائز والميداليات وشهادات التقدير

1. **الميدالية الذهبية:** بمعرض **PRPI2010** بالجامعة الملكية الماليزية، سيردانق، ماليزيا.
1. **Gold Medal**, in Universiti Putra Malaysia Pameran **PRPI2010** (Real Time Oil Palm Fruit Bunch Grading System)
2. **الميدالية الفضية:** معرض ماليزيا للتكنولوجيا **MTE2011**، كوالالمبور، ماليزيا.
2. **Silver Medal**, in Malaysia Technology Expo, **MTE2011** (Real Time Oil Palm Fruit Bunch Grading System).
3. **جائزة المنتج المبتكر الماليزي:** المعرض الدولي للاختراع والابتكار والتكنولوجيا ، **ITEX2012**، كوالالمبور، ماليزيا.
3. **Malaysian Innovative Product Award**, in International Invention, Innovation & Technology Exhibition, **ITEX2012** (Real Time Oil Palm Fruit Bunch Grading System).
4. **ترقية استثنائية من درجة محاضر الى درجة استاذ مساعد:** قرار وزير التعليم المفوض بحكومة الوفاق الوطني رقم 750 لسنة 2019 بشأن ترقية عضو هيئة تدريس ترقية استثنائية.
4. **Exceptional promotion from the rank of lecturer to the rank of assistant Professor:** Decision of the Minister of Education Delegated to the Government of National Accord No. **750** of **2019** regarding the promotion of a faculty member for an exceptional promotion.
5. **الترتيب الثالث:** على تخصص بكالوريوس تقنية المعلومات في مسابقة ليبيا للابتكار 2022 عن مشروع التخرج تحت عنوان ” نظام ملف صحي الكتروني باستخدام مستشعر البصمة ”.
5. **Third place**, the major of Bachelor of Information Technology in the **Libya Innovation Prize 2022** for the graduation project under the title (Electronic Health File System Using the Fingerprint Sensor)

10. Patents: براءات الاختراع

1. **براءة الاختراع الماليزية، تاريخ منح البراءة ونشرها: 2016/07/15، MyiPO، ماليزيا.**
1. **Fruit Ripeness Grading System**, has been granted and published under the Patent Number: **UPM/100-45/2 (A) MY157647A**, grant and publishing date of patent: **6/9/2016. (MyiPO)(Malaysian Patent).**

2. براءة الاختراع النيجيرية، تاريخ منح البراءة ونشرها: 2016/03/04، مسجل براءات الاختراع والتصميم، جمهورية نيجيريا الاتحادية.

2. **Fruit Ripeness Grading System** has been granted and published under the Patent Number **RP: NG/C/2013/231**, Date of Patent: **20/03/2013**, under the Foreign Priority No: **PCT/MY2011/000202** Dated **14/09/2011**, **MY PI 2010700069** Dated **23/09/2010**. Registrar of Patents & Design, FEDERAL REPUBLIC OF NIGERIA, grant and publishing date of patent: **04/03/2016** (Nigerian Patent).

11. Copyrights: حقوق الطبع والنشر

1. **Real Time Oil Palm Fruit Grading System (v1.5)** has been copyrighted under the copyright No: B 222 with copyright date: 13 May 2010, UPM, Malaysia.

12. Keynote Speaker: متحدث رئيسي

1. **Keynote Speaker;** Lecture untitled “**The scientific research & the Research Paper and their effective role in developing the higher education system**” presented on the 13th International Congress of Gis and Geospace Applications Geo-Tunis organized by the Euro Arab Geomatics Union & Tunisian Association of Digital Geography, which was held on 20 March 2021, Tunis, Tunisia.
2. **Keynote Speaker;** Lecture untitled “**The Research Paper and Skills of Searching, writing and publishing**” presented on the 6th International Scientific Conference on Scientific Researches organized by the Higher Institute of Science and Technology – Al-Khomes, Libya, 28 December 2017.

13. Reviewer: مراجع ومصحح للمجلات العلمية الاتية:

1. Postharvest biology and technology **journal - Elsevier.**
2. Computer in industry **journal - Elsevier.**
3. Signal, Image and Video Processing **journal - Springer.**
4. Bio systems engineering **journal - Elsevier.**

5. Computer Methods and Programs in Biomedicine **journal** - Elsevier.
6. **Journal** of Food Processing & Technology - OMICS.
7. African **Journal** of Plant Science.
8. **Journal of the Chemical Society of Pakistan**

PUBLICATIONS:

النشر العلمي

14. Conferences papers:

أوراق بحثية ثم نشرها بمؤتمرات علمية

1. Meftah Salem M. Alfatni. (2024). "Scientific research and achieving sustainable development goals. International Forum on Green Accounting and Sustainable Development, 09 / May / 2024, Oran, Algeria.
2. **MSM Alfatni**, Arij mokhtar Ebiad, Mabrouka Abdullah Al-Bahbouh, Laila Abdullah Esmada. (2023). "The electronic identity of the researcher and its importance in building academic reputation. *3th international conference titled "Future Educational Visions and Aspirations (Leadership and Creativity) (21-23) / May / 2023, Jadara University - Irbid, Jordan*
3. **MSM Alfatni**, Arij mokhtar Ebiad, Mabrouka Abdullah Al-Bahbouh, Laila Abdullah Esmada. (2023). "Electronic Health File System based on Fingerprint Sensor Technology. *3rd International Conference on Computing, Information Science and Engineering 2023 (3rd ICISE), Kota Bharu, Kelantan, Malaysia; 1-10.*
4. **MSM Alfatni**, Abdul Rashid Mohamed Shariff, Osama M. Ben Saaed, Atia Mahmod Albhbah, and Aouache Mustapha. (2020). "Colour Feature Extraction Techniques for Real Time System of Oil Palm Fresh Fruit Bunch Maturity Grading. *10th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing (IGRSM 2020), Kuala Lumpur, Malaysia; 1-10.*
5. Swayeb, A.O., Shariff, A.R.M., **Alfatni, M.S.M.**. (2020). "Investigation the relationship between spatial distribution of vegetation cover and land surface temperature based on remote sensing application: A case study of Langkawi, Malaysia" *41st Asian Conference on Remote Sensing, Deding, China; 1-23.*

6. Osama M. Ben Saaed, **Meftah Salem M Alfatni**, Abdul Rashid Mohamed Shariff and Hadya S Hawedi. (2019). Modeling Ripeness Grading of Palm Oil Fresh Fruit Bunches through Image Processing using Artificial Neural Network. *The 5th International Conference on Water, Energy, Food and Agricultural Technology - Istanbul, Turkey, 20-23 March 2019*; 1-19.
7. **MSM Alfatni**, ARM Shariff, SK Bejo, OMB Saaed, A Mustapha. (2018). Real-time oil palm FFB ripeness grading system based on ANN, KNN and SVM classifiers. *9th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing, Kuala Lumpur, Malaysia*; 1-5.
8. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., Amiruddin, M. D. b., and Saaed, O. M. B. (2014). Oil palm fresh fruit bunch ripeness classification based on rule-based expert system of ROI image processing technique results. *7th IGRSM International Remote Sensing & GIS Conference and Exhibition, Kuala Lumpur, Malaysia*; 1-14.
9. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., Amiruddin, M. D. b., and Saaed, O. M. B. (2013). Oil Palm Fruit Maturity Classification Based on Texture Feature Extraction of Fruit Thorns Texture and Supervised Machine learning Classifiers. *International conference on Agricultural Engineering, Muscat, Sultanate of Oman*; 1-14.
10. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., and Saaed, O. M. B. (2012). Oil Palm Fruit Ripeness Grading System Based on BGLAM Feature Extraction and SVM, KNN and ANN Supervised Machine learning. *International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)*. Guangzhou, China
11. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., and Saaed, O. M. B. (2012). The Recognition System of Oil Palm Fruit Bunch Types Based on Texture Feature Technologies and image processing techniques. *International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)*. Guangzhou, China
12. Saaed, O. M. B., Shariff, A. R. M., Mahmud, A. R. b., Shafri, H. Z. M., **Alfatni, M. S.** & Aouache. M. (2012). Oil Palm Fruit Classification Using Spectrometer. *International Conference on Agricultural, Food and Biological Engineering*. Guangzhou, China.

- 13.Saeed, O. M. B., Shariff, A. R. M., Mahmud, A. R. b., Shafri, H. Z. M., **Alfatni, M. S.** &Aouache. M. (2012). Ripeness Detection of Oil Palm Fresh Fruit Bunches Using 4-Band Sensors. *International Conference on Agricultural, Food and Biological Engineering*. Guangzhou, China.
- 14.**Alfatni, M. S. M.**,Shariff, A. R. M., and Saaed, O. M. B. (2010). The Design and Process of the External Inspection System in Agricultural Engineering. *Map Asia 2010 & ISG 2010 Conference on Agriculture & Health*, Kuala Lumpor, Malaysia; 1-9.
- 15.**Alfatni, M. S. M.**,Shariff, A. R. M., and Saaed, O. M. B. (2010). The Consideration of Methods and Techniques of Illumination System Building for Computer Vision in Agricultural Application. *World Engineering Congress 2010 Conference on Geomantic and GIS*, Kuching, Sarawak, Malaysia; 1-8.
- 16.**Alfatni, M. S. M.**,Shariff, A. R. M., Saaed, O. M. B., and Mustafa, A. (2010). Oil Palm Fruit Bunch Ripeness Grading System Based on Fruit Colour Using Gabor wavelet Transform and Neural Network. *The Fifth Libyan Arab International Conference on Electrical and Electronic Engineering*, Tripoli, Libya; 1-10.
- 17.Saaed, O. M. B., Shariff, A. R. M., Shafri, H. Z. M., Mahmud, A. R., and **Alfatni, M. S. M.** (2010). Hyperspectral Technique System for Fruit Quality Determination. *Map Asia 2010 & ISG 2010 Conference on Agriculture & Health*, Kuala Lumpor, Malaysia
- 18.Saaed, O. M. B., Shariff, A. R. M., Shafri, H. Z. M., Mahmud, A. R., and **Alfatni, M. S. M.** (2010). Color calibration measurements to assess fruit quality by using optical sensors. *World Engineering Congress 2010 Conference on Geomantic and GIS*, Kuching, Sarawak, Malaysia;
- 19.**Alfatni, M. S. M.** (2009). How to choose appropriate scientific journal of the research paper. *The 1th Libyan conference to develop research skills, UPM, Serdang, Malaysia*.
- 20.**Alfatni M. S. M.**,Shariff, A.R.M., Shafri, H.Z.M., Saaed, O.M.B., Eshanta, O.M., and Abuzaed, M. (2007). Automated oil palm fruit bunch grading

system using density of color (RGB). *Proceedings of the 7th Saudi Engineering Conference, King Saud University, Riyadh*, pp. 299-313.

15. Journal papers:

أوراق بحثية ثم نشرها بمجلات علمية رصينة

1. Meftah Salem M Alfatni, Arij mokhtar Ebiad, Mabrouka Abdullah Al-Bahbouh, Laila Abdullah Esmeda. (2025). " Element of Climate, Weather and Natural Disaster Events Extraction and Classification System from Arabic News Text for Prediction Application" Springer_Proceedings (**Accepted**). (**Scopus**).
2. **Meftah Salem M Alfatni**, Arij mokhtar Ebiad, Mabrouka Abdullah Al-Bahbouh, Laila Abdullah Esmeda. (2024). "Electronic Health File System based on Fingerprint Sensor Technology" *Journal of Advanced Research in Applied Sciences and Engineering Technology* 33 (2): 209-224. (**Scopus**).
3. **Meftah Salem M Alfatni**, Siti Khairunniza-Bejo *, Mohammad Hamiruce B Marhaban, Osama M. Ben Saaed, Aouache Mustapha, Abdul Rashid Mohamed Shariff. (2022). Towards a real-time oil palm fruit maturity system using supervised classifiers based on feature analysis. *Agriculture*, 12, 1461. (**IF: 3.408**) (**Q1**)
4. Zhi Hong Koka, Abdul Rashid Mohamed Shariff, **Meftah Salem M. Alfatni**, Siti Khairunniza-Bejo. (2021). Support Vector Machine in Precision Agriculture: A Review. *Computers and Electronics in Agriculture*, 191, December 2021, 106546. (**IF: 6.757**) (**Q1**)
5. **Meftah Salem M Alfatni**, Abdul Rashid Mohamed Shariff, Osama M. Ben Saaed, Atia Mahmod Albhbah, and Aouache Mustapha. (2020). "Colour Feature Extraction Techniques for Real Time System of Oil Palm Fresh Fruit Bunch Maturity Grading" *Earth and Environmental Science* 540: 1-10. (**Scopus**).
6. Swayeb, A.O., Shariff, A.R.M., **Alfatni, M.S.M.** (2020). "Investigation the relationship between spatial distribution of vegetation cover and land surface temperature based on remote sensing application: A case study of Langkawi, Malaysia" *ACRS 2020*: 1-23. (**Scopus**).

7. Osama M. Ben Saaed, **Meftah Salem M Alfatni**, Abdul Rashid Mohamed Shariff and Hadya S Hawedi. (2019). Modelling Ripeness Grading of Palm Oil Fresh Fruit Bunches through Image Processing using Artificial Neural Network. *GeoSP - MAG GeoSP-MAG* 8 (24): 1-19.
8. **MSM Alfatni**, ARM Shariff, SK Bejo, OMB Saaed, A Mustapha. (2018). "Real-time oil palm FFB ripeness grading system based on ANN, KNN and SVM classifiers" *Earth and Environmental Science Journal of Advanced Research in Applied Sciences and Engineering Technology*. **(Scopus)**.
9. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., Amiruddin, M. D. b., and Saaed, O. M. B. (2014). Oil Palm Fruit Maturity Classification Based on Texture Feature Extraction of Fruit Thorns Texture and Supervised Machine learning Classifiers. *Acta Hort. (ISHS)*. **(Scopus)**
10. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., Amiruddin, M. D. b., and Saaed, O. M. B. (2014). "Oil palm fresh fruit bunch ripeness classification based on rule-based expert system of ROI image processing technique results." *Earth and Environmental Science* 20: 1-8. **(Scopus)**
11. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H. b., and Saaed, O. M. B. (2013). The Application of Internal Grading System Technologies for Agricultural Products - Review. *Journal of Food Engineering*, 116; 703-725. **(IF: 6.203) (Q1)**
12. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., and Saaed, O. M. B. (2013). Oil Palm Fruit Ripeness Grading System Based on BGLAM Feature Extraction and SVM, KNN and ANN Supervised Machine learning. *Journal of Advanced Science Letters*, 19(9); 2612-2614. **(Scopus)**
13. Saaed, O. M. B., Shariff, A. R. M., Mahmud, A. R. b., Shafri, H. Z. M., **Alfatni, M. S. M.** and Aouache. M. (2013). Oil Palm Fruit Classification Using Spectrometer. *Journal of Advanced Science Letters*, 19(9); 2651-2653. **(Scopus)**

14. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Marhaban, M. H., Shafie, S. B., and Saaed, O. M. B. (2013). Recognition System of Oil Palm Fruit Bunch Types Based on Texture Feature and Image Processing Techniques. *Journal of Advanced Science Letters*, 19(12); 3441-3444. **(Scopus)**
15. Saeed, O. M. B., Shariff, A. R. M., Mahmud, A. R. b., Shafri, H. Z. M., **Alfatni, M. S. M.** and Aouache. M. (2013). Ripeness Detection of Oil Palm Fresh Fruit Bunches Using 4-Band Sensors. *Journal of Advanced Science Letters*, 19(12); 3468-3472. **(Scopus)**
16. Saeed, O. M. B., Sankaran, S., Shariff, A. R. M., Shafri, H. Z. M., Ehsani, R., **Alfatni, M. S. M.**, and Hazir, M. H. M. (2012). Classification of oil palm fresh fruit bunches based on their maturity using portable four-band sensor system. *Computers and Electronics in Agriculture*, 82; 55-60. **(IF: 6.757) (Q1)**
17. **Alfatni, M. S. M.**, Shariff, A. R. M., Abdullah, M. Z., Saeed, O. M. B., and Ceesay, O. M. (2011). Recent Methods and Techniques of External Grading Systems for Agricultural Crops Quality Inspection - Review. *International Journal of Food Engineering*, 7(3); 1-40. **(IF: 1.832) (Q3)**
18. **Alfatni, M. S. M.**, Shariff, A. R. M., Shafri, H. Z. M., Saaed, O. M. B., and Eshanta, O. M. (2008). Oil Palm Fruit Bunch Grading System Using Red, Green and Blue Digital Number. *Journal of Applied Science*, 8(8); 1444-1452. **(Scopus)**

16. Google Scholar Personal Page الصفحة الخاصة على الجوجل الاكاديمي

Ctrl + Click to follow link

<http://scholar.google.com.my/citations?user=oFZEhysAAAAJ&hl=en>

17. ORCID ID Personal Page الصفحة الخاصة على الأوركيد

Ctrl + Click to follow link

ORCID ID: ([0000-0002-8314-2076](https://orcid.org/0000-0002-8314-2076))

18. Scopus Author ID Personal Page

الصفحة الخاصة على السكوبس

Ctrl + Click to follow link

SCOPUS AUTHOR ID: ([24070118900](https://scopus.org/authid/detail/authid?eid=24070118900))

19. References:

المراجع الأكاديميين

2. Prof. Dr. Abdul Rashid b. Mohamed Shariff
B. Surv. (Land) Hons. (UTM), M. Sc. (London), Ph.D (Maine)
03-8946 6414
rashidpls@upm.edu.my
<http://www.eng.upm.edu.my/~rashid>

1. Prof. Dr. Mohd Zaid Bin Abdullah
B.App.Sc (Hons)(USM), M.Sc., Ph.D.(UMIST). C.Eng., FIEE(UK)
Tel :045996001
Email : mza@usm.my

3. Profesor Ir. Dr. OTHMAN O-KHALIFA
(Electrical and Computer Engineering),
International Islamic University Malaysia.
03 - 6421 4533
khalifa@iium.edu.my

4. Prof. Dr. Mohammad Hamiruce b. Marhaban
B.E.(Salford), PhD (Surrey), MIEEE
03-89466306
mhm@upm.edu.my

6. Assoc. Prof. Ts. Dr. Siti Khairunniza bt. Bejo
B.E. (Computer and Communication Systems) (UPM)
Ph. D. (Image Processing) (Univ. of Surrey,UK)
03-97694332
skbejo@upm.edu.my