

## Mohammed Abdulmalek Abdulraheem Ahmed (M.A.A. AHMED)

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### SUMMARY OF QUALIFICATIONS

When you begin to realize yourself, surely the serenity and the peace will help you. In fact, I have gained self-realization in this environment. Meanwhile, we have a short life here, so I don't like the routine without logic. The best moments in my life when I feel that physical laws tell me about everything around us and me, and that is what I try to discover and understand. Therefore, I started to gain more interest in Mathematics and Science in my school, after that I studied Mathematical Physics in college. When I graduated, the new life began as an assistant lecturer in Physics Department, which helped me in next steps in my life to knowledge and research in my Master's and PhD now to know some physical phenomena in nature through Quantum Field Theory and Theoretical Particle Physics...etc.

### Work Experience

Staff in Department of Physics, Faculty of Science.	2009-until now, Taiz University Al-Turba Branch, Taiz, Yemen.
Researcher in laboratory of physics and Mathematics Applications (LPMA), ENS-Vieux Kouba (Bachir El-Ibrahimi)	2014-Present time Algiers, Algeria
Lecturer: Department of physics	2015 to 2017 Taiz University, Yemen
Researcher in Department of physics	2013 to 2015 Taibah University, KSA
Assistant lecturer: Department of physics	2007 to 2010 Taiz University, Yemen

### Qualification

- High experience in **Mathematica Wolfram**, **Origin Lab**, and **Scientific Workplace** as well as **Maple**, **LaTeX**, and **Root**. All of them will be used in research and education.
- I have an International Certificate in **IT Skills** (Validated by the University of Cambridge International Examinations (**CIE**)). With some Knowledge in Language (**C**, **C<sup>++</sup>**).

## AWARD, GRANT AND SCHOLARSHIP:

- Award, Scientific excellence certificate from Taiz University for the first students (2007/2008), which awarded President of Yemen on 30 Jul 2008.
- Award, Assessment of excellent with 2<sup>nd</sup> honor degree in master in 2014, Taibah University, KSA.
- Scholarship, King Abdullah Scholarship to complete the master's degree in 2010, Taibah University, KSA.
- Grant, research grant under Contract 432/765, Deanship of Scientific Research, Taibah University, KSA.
- Grant, student grant under Contract No.(P-S-12-0660) in 2012, King Abdulaziz City for Science and Technology, KSA.

## Education

- Master *degree*, Theoretical Physics, Taibah University, KSA, **Excellent with honor**, 2014. We studied (**43 credits**), which were distributed among the courses (6 Credit, English program for students of the graduate study), then (27 Credit, Physics), and (10 Credit proposal and thesis). In addition, the title of thesis is "Finite Size Effects and Cumulant Expansion in QCD Deconfinement Phase Transition from Hadronic Gas to a Colorless Quark Gluon Plasma".  
**For more details:** <http://repository.taibahu.edu.sa/handle/123456789/12859>
- Bachelor's *degree* Mathematic Physics, Taiz University, Yemen **Excellent with honor**, 2007. We studied (**150 credits**), which were distributed among the courses (104 Credit Physics), (23 Credit Mathematics), then (9 Credit computer science), and (18 Credit Languages). And also the title of final project; Simple Method to design Solar Heater.  
**For more details:** [https://www.researchgate.net/publication/281936503\\_Simple\\_Method\\_to\\_design\\_Solar\\_Heater](https://www.researchgate.net/publication/281936503_Simple_Method_to_design_Solar_Heater)

## PROFESSIONAL CERTIFICATION

<b>Certification Name</b>	<b>Organization</b>	<b>Duration</b>
Preparatory English, for students in the program of Graduate Studies	Deanship of Graduate Studies, Taibah University, KSA.	One semester
Experience with Student Part Time Employment Program (SPTEP)	Deanship of student affairs, Taibah University, KSA.	One semester
The summer program to train the best students from Taiz university in Syrian Universities	Department, Faculty of Sciences, University of Aleppo, Syria	One month
Wolfram seminar in Data analytics & Machine learning	Faculty of science, University Putra Malaysia, Malaysia	One day

## Training and Knowledge

<b>Certification Name</b>	<b>Organization</b>	<b>Duration</b>
Habits thinkers in thinking	Deanship of University Development, Taibah University, KSA	Two days
Management skills	Deanship of student affairs, Taibah University, KSA	One day
Strategic Planning	Deanship of student affairs, Taibah University, KSA	One day
Effective Communication	Deanship of student affairs, Taibah University, KSA	One day
Executive Secretary	Deanship of student affairs, Taibah University, KSA	One day
Personality Behavior	Deanship of student affairs, Taibah University, KSA	One day
Writing a good and publishable paper – an editor's perspective	Faculty of Veterinary Medicine, Universti Putra Malaysia, Malaysia	One day
The basics of research	School of Graduate Studies, Universti Putra Malaysia, Malaysia	One day
The elements of the thesis	Auditorium Radin Umar, faculty of engineering, Universti Putra Malaysia, Malaysia	One day
Literature review writing	Auditorium Radin Umar, faculty of engineering, Universti Putra Malaysia, Malaysia	One day
Assistant trainer, in the workshop of the LaTeX Software	Universiti Putra Malaysia International Students Association, Universiti Putra Malaysia	One day
Your research journey to got	Auditorium Radin Umar, faculty of engineering, Universti Putra Malaysia, Malaysia	One day
Information search strategy & Turnitin	Sultan Abdul Samad library, University Putra Malaysia, Malaysia	One day
Online Database: Science & Technology	Sultan Abdul Samad library, University Putra Malaysia, Malaysia	One day
How to Successfully publish in IEEE	Sultan Abdul Samad library, University Putra Malaysia, Malaysia	One day

## **Computer Training & Knowledge**

- Preparatory Computer, for students in the program of graduate study on 2<sup>nd</sup> semester 2011, Deanship of Graduate Studies, Taibah University, KSA.
- International certificate in IT skills foundation on 23/03/2015, Deanship student affairs, Taibah University, KSA.
- Mathematica Wolfram, Origin Lab, and Scientific Workplace, as well as Maple, LaTeX, and Root.

## **Languages**

- Arabic: (Native language).
- English: (Fluent in writing and reading).

## **Hobbies**

- Solve math problems.
- Dialogue with self and meditation
- Singing
- Swimming
- Adventure and traveling.

## **Skills**

- Good speaker with logical discussion
- High ability to learn new skills.
- Self-starter and motivated.

## **Volunteer Experience**

- Organizer, in Fourth Saudi Science conference contribution of science Faculties in the Development Process of KSA on (21-24) March 2010, Taibah University.
- Work as the academic Director in Yemeni Students Association (From Jan 2017 Until Feb 2018) in Malaysia.

## WORKSHOP AND CONFERENCES

- Poster Presentation, in Fourth Saudi Science conference contribution of science Faculties in the Development Process of KSA on (21-24) March 2010, Taibah University, KSA.  
<http://www.taibahu.edu.sa/cms/default.aspx?ln=en>
- Oral Presentation, in Third Scientific Conference for students in higher education in KSA on (5-7), February 2012, Taibah University, KSA.
- Participant, First Taibah University International Conference on Computing and Information Technology, Madinah, KSA on (12-14) March 2012, Taibah University, KSA.
- Participant, Workshop about a Stochastic Schrödinger / Heisenberg Equation vs. Langevin Equation Introduction to Non-Commutative Geometry, 26 August 2016, INSPEM at Putra University Malaysia, Malaysia.  
<http://einspem.upm.edu.my/smp2016/>
- Participant, Workshop about Noncommutative Quantum Mechanics and Dynamical Complexity on 13 Feb 2017, INSPEM at Universti Putra Malaysia.  
<http://einspem.upm.edu.my/nqm2017/listofparticipant.php>
- Participant, Workshop about Algebra, Analysis and Applications (AISMM 1) on (20 – 21) May 2017, INSPEM at Universiti Putra Malaysia.  
<http://einspem.upm.edu.my/aismm2017/listofparticipant.php>
- Participant, Workshop on Topological Phase Transitions and New Developments on (5 – 8) June 2017, Nanyang Executive Centre (NEC) at Nanyang Technological University, Singapore.  
<https://www.ntu.edu.sg/ias/newsletters/Documents/IAS-Newsletter-Issue21.pdf>
- Participant, Controlling Dynamics in Mathematical Models of Real Neurons on (20 – 21) June 2017, INSPEM at Universti Putra Malaysia.  
<http://einspem.upm.edu.my/cdimm2017/index.html>
- Participant, Workshop on Dark Matter on (13 – 15) Nov 2017, Nanyang Executive Centre (NEC) at Nanyang Technological University, Singapore.  
<http://www.ntu.edu.sg/ias/upcomingevents/DM17/Pages/default.aspx>
- Oral presentation, in 5th International Meeting on Frontiers of Physics (IMFP2017) on (3 – 7) Dec 2017, Pullman Kuala Lumpur Bangsar, Malaysia.  
<http://imfp2017.ifm.org.my/>
- Participant, Spontaneous Symmetry Breaking, a Memorial Conference for Robert Brout on (16 – 19) Jan 2018, Nanyang Executive Centre (NEC) at Nanyang Technological University, Singapore.  
<http://www.ntu.edu.sg/ias/upcomingevents/SSB/Pages/default.aspx>

- Participant, Julian Schwinger centennial conference on (7 – 12) Feb 2018 Centre for Quantum Technologies (CQT), National University of Singapore (NUS), Singapore.  
<https://www.ntu.edu.sg/ias/upcomingevents/JS18/Pages/default.aspx>
- Participant, Algebra, Topology, Geometry and Applications (AISMM 2) on (3 – 4) Mar 2018, INSPEM at Universiti Putra Malaysia.  
<http://einspem.upm.edu.my/aismmls2/listofparticipant.php>
- Participant, Conference on Particles and Cosmology on (5 – 9) Mar 2018, Nanyang Executive Centre (NEC) at Nanyang Technological University, Singapore.  
<http://www.ntu.edu.sg/ias/upcomingevents/cosmo18/Pages/default.aspx>
- Participant, World halal week and Ioth world halal conference 2018, on (2 – 6) April 2018, Halal Industry Development Corporation (HDC), Malaysia.
- Participant, workshop on Systematic review & Meta-analysis on (13-14) Aug 2018, Universiti Putra Malaysia International Students Association, Universiti Putra Malaysia.
- Participant, Workshop about Algebra, Topology, Fields and Applications (AISMMLS 3) on (23 – 24) Feb 2019 in INSPEM at Universiti Putra Malaysia.  
<http://einspem.upm.edu.my/aismmls3/listofparticipant.php>
- Participant, National School of Particle Physics 2019 on (25 – 27) Feb 2019 in National Center for Particle Physics (NCP) at University Malaya.  
<https://indico.dicc.um.edu.my/event/5/>
- International Seminar on Recent Trends in Mathematical Physics on 22 March 2019 in INSPEM at Universiti Putra Malaysia.  
<http://einspem.upm.edu.my/rtmp2019/listofparticipant.php>
- Workshop on Academic Writing and Publishing on 08-Aug-2019, Universiti Putra Malaysia.  
<https://www.enago.com/academy/downloads/certificates/malaysia/MohammedAbdulmalekAhmed.pdf>
- Presentation, International Symposium on Quantum and Complexity Sciences 2019 on (19-20) Sep 2019 in INSPEM at Universiti Putra Malaysia.  
<http://einspem.upm.edu.my/quantplexity2019/>
- Presentation, 14th Asia-Pacific Physics Conference 2019 (APPC14) on (17-22) Nov 2019, Borneo Convention Centre Kuching, Sarawak, Malaysia.  
<http://appc2019.ifm.org.my/>

## JOURNAL PUBLICATIONS AND CORPORATION RESEARCH

- **M. A. A. Ahmed**, H. Zainuddin Thermal photon-photon interaction in QED-Mixed Space. Done to submitted to NJP.
- **M. A. A. Ahmed**, H. Zainuddin and N. M. Shah and S. K. Chan, Thermal longitudinal photon interaction in Mixed Space. Submitted to AIP.
- S. Cherif, M Ladrem, Z. Al-Full and **M. A. A. Ahmed** Bjorken Boost Invariant Flow in QCD-Colorless Plasma. Submitted to Eur. Phys. J. C.
- M Ladrem, **M. A. A. Ahmed**, S. Cherif, Z. Al-Full and M. Almarashi, Detailed Study of the QCD-Equation of State of a Colorless Partonic Plasma, Int. J. Mod. Phys. A 34, (2019) 19550051 (31 pages).
- **M. A. A. Ahmed**, S. Cherif, M. Ladreme, H. Zainuddin and N. M. Shah, Effect of Colour Singlet on Phase Transition from Hadronic Gas to Partonic Plasma, Jurnal Fizik Malaysia Volume 39 Issue 2 (2018) pgs 30079-30087.
- S. Cherif, **M. A. A. Ahmed**, M. Ladrem, Higher Order Cumulants in Colourless Partonic Plasma, AIP Conf. Proc.1742, 030004 (2016).
- M Ladrem, **M. A. A. Ahmed**, Z. Al-Full and S. Cherif, Finite Volume Cumulant Expansion in QCD-Colorless Plasma, Eur. Phys. J. C (2015) 75:431.
- **ACKNOWLEDGMENTS**, for the help in computer computations. [doi/10.1063/1.4980965](https://doi.org/10.1063/1.4980965)
- **ACKNOWLEDGMENTS**, for providing constructive suggestions and feedback that helped in improving the quality of the mathematics equations. [doi.org/10.1371/journal.pone.0212490](https://doi.org/10.1371/journal.pone.0212490)

## REFERENCES

- Prof.Dr Madijd LADREM Professor, Taibah University, Al-Madeenah Al-Munawarah, Saudi Arabia. Mob#:00966(0)551606516 and/or 0021366741642. My supervisor and teach me some courses in Master. E-mail: [mladrem@yahoo.fr](mailto:mladrem@yahoo.fr) Or [mladrem@taibahu.edu.sa](mailto:mladrem@taibahu.edu.sa).
- Prof. Madya Dr: Hisamuddin Zainuddin, Universiti Putra Malaysia, Serdang, Selangor, Malaysia, Mob#: 0060133837304, My supervisor in PhD. E-Mail: [hishamuddin@gmail.com](mailto:hishamuddin@gmail.com).
- Prof. Dr Adly Ammar Professor, TaibahUniversity, Al-Madeenah Al-Munawarah, Saudi Arabia. Mob#:00966540930033. Teach me some courses in Bachelor. [E-mailaammar@taibahu.edu.sa](mailto:E-mailaammar@taibahu.edu.sa) Or [adlyammar@gmail.com](mailto:adlyammar@gmail.com)

## Personal Information

Name: **Mohammed Ahmed** | Nationality: **Yemeni** | D.O.B.: **13-05-1982** | Marital Status: **Married**.

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