

السيرة الذاتية

إ.د. عادل محمد عوض

قسم الفيزياء- كلية العلوم- جامعة عين شمس

المؤهلات العلمية

1996 -2001	Ph.D. Physics, University of Kentucky, Kentucky, USA.
1993 -1994	High Energy Physics Diploma, International Centre for Theoretical Physics, Trieste, Italy.
1990 -1993	M.S. Physics, Ain Shams University, Cairo, Egypt.
1984 -1988	B.S. Physics, Ain Shams University, Cairo, Egypt.

التدرج الوظيفي

2019	Professor, Department of Physics, Faculty of Sciences, Ain Shams University, Cairo, Egypt.
2017- 2019	Professor, Department of Physics, School of Sciences and Engineering, American University in Cairo, Cairo, Egypt.
2016- 2017	Deputy Director, Centre for Theoretical Physics, British University in Egypt, Cairo, Egypt.
2016	Professor (on leave), Department of Physics, Faculty of Sciences, Ain Shams University, Cairo, Egypt.
2013- 2016	Deputy Director, Centre for Theoretical Physics, British University in Egypt, Cairo, Egypt.
2012-2013	Deputy Director, Centre for Fundamental Physics, Zewail City of Science and Technology, Giza, Egypt
2011-2012	Associate professor, Department of Physics, American University in Cairo, Cairo, Egypt
2010-2016	Associate professor (on leave), Department of Physics, Faculty of Sciences, Ain Shams University, Cairo, Egypt
2008-2010	Assistant professor, Department of Physics, Faculty of Sciences, Ain Shams University, Cairo, Egypt
2006-2008	Visiting assistant professor, Department of Physics and Astronomy, University of Kentucky, Kentucky, USA.
2003-2006	Assistant professor, Department of Physics, Faculty of Sciences, Ain Shams University, Cairo, Egypt.
2001-2003	Postdoctoral research fellow, Department of Physics, University of Cincinnati, Ohio, USA.

تحكيم في دوريات علمية

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- Journals of Physical Review Letters, American Physical Society.
 - Physical Review D; American Physical Society.
 - Journal of Classical and Quantum Gravity; Institute of Physics Journal.
 - Journal of High Energy Physics, Springer.
 - Modern Physics Letters A, World Scientific.
 - Letters in High Energy Physics, Andromeda Publishing Service.

المشاركة في المؤتمرات وورش العمل الدولية

June 1992	ICTP Summer School in High Energy Physics and Cosmology.
June 1994	ICTP Summer School in High Energy Physics and Cosmology.
June 1995	ICTP Summer School in High Energy Physics and Cosmology.
July 1999	TASI Summer School on Strings, Colorado, USA.
Oct. 1999	Visiting graduate student at Princeton University and IAS for two months.
July 2000	Strings 2000, Michigan University, Ann Arbor, Michigan, USA.
Aug. 2000	American Physical Society Meeting, Division of Particles and Fields 2000, Columbus, Ohio, USA.
Sept. 2000	visiting researcher (for a year) at MIT, Boston, USA.
Jan. 2001	Cairo 1 st International Conference on High Energy Physics, Cairo, Egypt.
May 2002	American Physical Society Meeting, Division of Particles and Fields, Williamsburg, Virginia, USA.
Sept. 2003	Quantum Theory and Symmetry '03, Cincinnati, USA.
Dec. 2003	Cairo 2 nd Winter Workshop in High Energy Physics (organizer), Ain Shams U., Cairo, Egypt.
Dec. 2004	Cairo 3 rd Winter Workshop in High Energy Physics (organizer), German U., Cairo, Egypt.
April 2005	International Conference of High Energy Physics and Mathematical Physics, Marrakech, Morocco.
July 2005	Visiting scientist for two months at the International Centre for Theoretical Physics, Trieste, Italy.
Sept. 2005	Einstein Symposium, at Alexandria Library, Alexandria, Egypt.
Jan. 2006	Cairo 2 nd International Conference on High Energy Physics (organizer), GUC, Cairo, Egypt.
Mar. 2006	Great Lakes String Conference, Ann Arbor, Michigan, US.
April 2006	Visiting Researcher at the University of Kentucky for four months.
Sep. 2006	12 th International Symposium on Particles, Strings and Cosmology, PASCOS-06, Columbus, Ohio, US.
Mar. 2007	Center for Theoretical Physics Symposium on Supersymmetry at LHC (organizer), British University in Egypt, Cairo, Egypt.
Dec. 2008	Attending Indian String Meeting, and visiting Chennai Mathematical Institute for a week, Chennai, India.
July 2009	Sixth International Symposium on "Quantum theory and Symmetry", QS 2009, Lexington, Kentucky, US.
July 2009	Visiting University of Kentucky for two weeks to continue my collaboration with Sumit Das, Kentucky, US.
Aug 2009	Visiting ICTP for two months as an associate member, Trieste, Italy.
Nov. 2009	International Conference on Neutrino Physics in the LHC Era (organizer), Luxor, Egypt.
Nov. 2010	School on High Energy Physics (organizer), Helwan University, Helwan, Egypt.
July 2012	Visiting University of Kentucky for one week, Kentucky, US.
Aug. 2012	Visiting University of Cincinnati for one week, Ohio, US.
May 2013	Workshop on Holographic Thermalization and Conformal Field Theories, Centre for Fundamental Physics, Zewail City (main organizer).
Nov. 2014	Dark Side of the Universe, DSU 2014, Cape Town U., South Africa.
Dec 2015	Dark Matter in Cairo, Cairo, Egypt (organizer)
July 2016	Visiting University of Kentucky and University of Cincinnati for 10 days, Kentucky and Ohio, US.
Dec. 2017	Beyond the Standard Model: From Theory to Experiment 2017, Hurgada, Egypt.

July 2018	Visiting University of Kentucky for 15 days, Kentucky, US.
July 2019	CTP Internship & training courses on Theoretical Physics, including Quantum Field Theory, Particle Physics, Astrophysics, General Relativity, Cosmology, and Inflation (organizer).
March 2021	Beyond Standard Model: From Theory to Experiment, Gravity & Black Hole session-chair , online conference.
July 2021	CTP Internship & training courses on Theoretical Physics, including Quantum Field Theory, Particle Physics, Astrophysics, General Relativity, Cosmology, and Inflation (organizer).
Dec. 2021	CTP Workshop: Gravitating Frontiers, British university in Egypt (organizer).
July 2022	CTP Internship & training courses on Theoretical Physics, including Quantum Field Theory, Particle Physics, Astrophysics, General Relativity Cosmology, and Inflation (organizer).
July 2023	CTP Internship & training courses on Theoretical Physics, including Quantum Field Theory, Particle Physics, Astrophysics, General Relativity Cosmology, and Inflation (organizer).

محاضرات بحثية في المؤتمرات وورش العمل وفي الزيارات العلمية الدولية

Oct. 1998	University of Kentucky, "Solitons, Monopoles and Strong-Weak coupling dualities".
Oct. 1999	University of Kentucky, "Holographic Stress Tensors for Rotating Black Holes".
Aug. 2000	DPF 2000 Conference, "Scale Invariance and the AdS/CFT correspondence".
Mar. 2001	Massachusetts Institute of Technology, CTP, "Rotating Black Holes and the AdS/CFT Correspondence".
Oct. 2001	University of Cincinnati, "Gauge/Gravity dualities".
Mar. 2002	University of Cincinnati, "Cosmic Acceleration".
Dec. 2003	Ain Shams University, "AdS/CFT Duality".
Dec. 2004	Cairo Workshop in HEP, German U. in Cairo, "Introduction to Gauge/Gravity dualities".
April 2005	The International Conference of High Energy Physics and Mathematical Physics, Marrakech, Morocco, "Wess-Zumino term in N=2 Supersymmetric Theories".
Sept. 2005	Einstein Symposium Part II, Alexandria Library, "Black Hole Information Paradox and the AdS/CFT Correspondence".
Sept. 2006	PASCOS 2006 Conference, Ohio State U., "Kerr-AdS Black Holes and Counter-terms".
Mar. 2007	CTP Symposium on Supersymmetry at LHC, British University in Egypt, Cairo, "Kerr-AdS Black Holes, First Law and Counter-terms".
May. 2008	University of Cincinnati, "Gauge Theory Duals of Null and Space-like Cosmologies".
Dec. 2008	Chennai Mathematical Institute, Chennai, India, "Kerr-AdS solutions, counterterms and First Law".
July 2009	The Sixth International Symposium on Quantum Theory and Symmetry, Kentucky U., Kentucky, US, "Cosmological Singularities and time-dependent couplings".
Nov. 2011	American University in Cairo, "Dark energy and Dark matter: a unified view".
July. 2012	University of Kentucky, "FLRW Cosmologies and Fixed Points".
Aug. 2012	University of Cincinnati, "Nonsingular Flat Cosmologies and Fixed Points".
Nov. 2014	Dark Side of the Universe DSU 2014, Cape Town U., South Africa, "Weyl Anomaly and Cosmology".
Sept.2015	Centre of Fundamental Physics, Zewail City of Science and Technology, "Black Hole Information Paradox and Firewall proposal".
July 2016	University of Kentucky, Physics and Astronomy Department "Weyl Anomaly and Initial Singularity Crossing".
April 2017	Centre of Fundamental Physics, Zewail City of Science and Technology, "Higher-Curvature/Torsion Gravity Theories and Cosmological Singularity Crossing".

Dec 2017	Beyond the Standard Model: From Theory to Experiment 2017, "Quantum Corrections, Higher Curvature Terms and Singularity Crossing".
July 2018	University of Kentucky, Physics and Astronomy Department, "Gauss-Bonnet Gravity and Initial Cosmological Singularity".
July 2019	CTP Internship & training courses on Theoretical Physics: A minicourse on General Relativity, Collapsing stars and Black Holes, Quantum Effects and Hawking Radiation.
July 2021	CTP Internship & training courses on Theoretical Physics: A minicourse on Quantum Field Theory and its applications in Elementary Particle Theory.
Dec. 2021	CTP Workshop: Gravitating Frontiers, British university in Egypt; A research seminar on Singularity Analysis of Gauss Bonnet Cosmology and Black Holes solutions.
July 2022	CTP Internship & training courses on Theoretical Physics: A minicourse on Quantum Field Theory, Particle Physics Perturbation Theory Calculations
July 2023	CTP Internship & training courses on Theoretical Physics: A minicourse on General Relativity, Collapsing stars and Black Holes.

الجوائز والتقدير العلمي

2020	أفضل 2% من العلماء الأكثر استشهادهاً لعام 2020، وفقاً لقائمة جامعة ستانفورد.
2020	وسام العلوم والفنون من الطبقة الأولى، وزارة التعليم العالي والبحث العلمي، مصر.
2018	جائزة الدولة للتفوق في العلوم الأساسية، 2017، وزارة التعليم العالي والبحث العلمي، مصر.
2016	جائزة الأبحاث عالية التأثير، الفيزياء، الجامعة البريطانية في مصر، 2016.
2015	جائزة مؤسسة مصر الخير لأفضل منشورات في الفيزياء لعام 2015.
2011	جائزة الدولة التشجيعية في الفيزياء 2010، وزارة التعليم العالي والبحث العلمي، مصر.
2010	جائزة مؤسسة مصر الخير لأفضل منشورات في الفيزياء لعام 2009
2009	نائب المدير ومنسق المجموعة النظرية، الشبكة المصرية لفيزياء الطاقة العالية، أكاديمية البحث العلمي و التكنولوجيا، الفريق المصري المساهم في تجربة الملف اللولبي المضغوط للميون (CMS) وهي جزء من أنشطة مصادم الهادرونات الكبير (LHC) في CERN.
2006	جائزة جامعة عين شمس (جائزة الدكتور حسن أبو ليلة) لأفضل مؤلف منفرد في الفيزياء.
2005	زمالة المركز الدولي للفيزياء النظرية (Associate Member of ICTP)، تريستا، إيطاليا والتي أتاحت لي عدد من الزيارات البحثية كل منها لمدة تصل لثلاث أشهر لمدة سبع سنوات.
2000	أفضل منشور لمرشح دكتوراه في العلوم، جامعة كنتاكي، والذي دعم زيارتي لمعهد ماساتشوستس للتكنولوجيا لمدة عام.

المشاركة في مشروعات بحثية قومية وإنشاء مراكز بحثية متميزة والمدرسة العلمية

- الشبكة المصرية لفيزياء الطاقة العالية: في عام 2009 تم تكليفي من قبل رئيس أكاديمية البحث العلمي والتكنولوجيا بالعمل كمساعد للمنسق العام في المشروع القومي المسمى "الشبكة المصرية لفيزياء الطاقة العالية" والذي تديره الأكاديمية ويشارك في أبحاث تجارب المصادم الهاروني الكبير في سيرن (Large Hadron Collider at CERN)، جنيفاً. كذلك عينت منسفاً لمجموعة الفيزياء النظرية بالشبكة. حيث قامت هذه المجموعة بتدريس عدد من المواضيع المتقدمة وتدريب فريق عمل وباحثي الشبكة عليها من خلال محاضرات وورش عمل سنوية منذ عام 2010. كذلك قامت الشبكة بتدريس عدد من المواضيع المتقدمة في فيزياء الجسيمات الأولية وفيزياء الكاشفات وتحليل البيانات وبرامج مثل بيثيا ورووت. وقد استفاد العديد من الباحثين المصريين من هذه الشبكة في التدريب العملي والبحثي داخل وخارج مصر وكذلك حصولهم بعدها على درجاتهم العلمية من داخل أو خارج البلاد.
- مركز الفيزياء النظرية-الجامعة البريطانية: شاركت في إعادة إنشاء وتطوير مركز الفيزياء النظرية في الجامعة البريطانية وبناء مجموعاته البحثية المختلفة منذ 2008. في عام 2014 عينت مديراً تنفيذياً للمركز في

الفترة من 2014 وحتى 2017 مع الدكتور عمرو الزنط، حيث عينا عدداً من الباحثين المتميزين في عدد من التخصصات والذي صار معظمهم أساتذة مساعدين ولهم مجموعاتهم البحثية الآن. صار مركز الفيزياء النظرية اليوم أحد أنجح المراكز البحثية في الفيزياء النظرية في مصر، كذلك ساهم في رفع التقييم الدولي للجامعة البريطانية في أبحاث الفيزياء.

- مركز الفيزياء الأساسية في مدينة زويل: في عام 2012 عينت كمساعد لمدير مركز الفيزياء الأساسية في مدينة زويل العلمية مع الدكتور شعبان سعيد خليل كي أشارك في إنشاء المركز وبناء مجموعات بحثية قوية تغطي التخصصات الفيزياء النظرية التي لها وجود محدود في الجامعات المصرية، مثل Astrophysics and Cosmology, Condensed matter systems, and Elementary Particle Physics. مازال مركز الفيزياء الأساسية أحد أهم مراكز الفيزياء النظرية في علوم فيزياء الطاقة العالية والجسيمات الأولية إلى اليوم.
- المدرسة العلمية: بعد عودتي من الولايات المتحدة عام 2003 إلى جامعة عين شمس أشرفت وشاركت في الإشراف على أكثر من عشرة طلاب لدرجتي الماجستير والدكتوراة معظمهم ينتمي إلى جامعات مصرية أخرى مثل: جامعة القاهرة والإسكندرية وبنها ودمنهور وكذلك الجامعة الأمريكية. عدد من هؤلاء الطلاب التحقوا بعد ذلك بجامعات أوروبية وأمريكية لدراسة الدكتوراة. البعض منهم أصبح الآن من أعضاء هيئة التدريس في الجامعات المصرية وجامعات أجنبية.

الإشراف على الرسائل العلمية

- 1- Mohamed Tharwat, MSc. student (Physics Department, AUC), **graduated** 2023.
- 2- Mirna Ibrahim, MSc. student (Physics Department, Ain Shams U.) **graduated** 2023.
- 3- Amr Sobhy, MSc. student (Physics Department, Ain Shams U.).
- 4- Asmaa Mahmoud, MSc. student (Physics Department, Ain Shams U.), **graduated** 2021.
- 5- Somaya Eissa, MSc. student (Physics Department, Cairo U.), **graduated** 2020.
- 6- Hassan Ibrahim El-Sayed, MSc. student (Physics Department, AUC), **graduated** 2020.
- 7- Karim Hamam, PhD student (Alexandria University and British University in Egypt), **graduated** 2020.
- 8- Ahmed Morsy PhD student (Mathematics Department, Ain Shams U.), **graduated** 2016.
- 9- Ahmed Ali, MSc. student (Physics Department, Banha U.), **graduated** 2008.
- 10- Mohamed Hany, MSc. student (Physics Department, Damanhur U.)
- 11- Mohamed Abdel Latif, MSc. student (Physics Department, AUC)
- 12- Ahmed Barbar, MSc. student (Physics Department, AUC)

إنشاء برامج وتخصصات علمية جديدة

- شاركت في وضع عدة مناهج للبكالوريوس وللماجستير في الفيزياء في قسم الفيزياء في جامعة عين شمس
- شاركت في وضع برنامج ماجستير الفيزياء في مدينة زويل العلمية
- شاركت في وضع عدة مناهج للبكالوريوس وللماجستير في الفيزياء في مدينة زويل وقسم الفيزياء في الجامعة الأمريكية

تحكيم رسائل علمية خارج الجامعة

- Omar T. El Sherif, M.Sc. Thesis, July 2017 “Studying the QCD Medium in Proton-Proton Collisions Using Pythia” Department of Physics, American University in Cairo.

- Summer Kasem, M.Sc. Thesis, December 2018 “Jean’s Analysis in Modified Theories of Gravity” Department of Physics, American University in Cairo.
- Kareem Gameel, M.Sc. Thesis, September 2018 “First Principles Insights on CO Adsorption on Metal Surfaces”, Department of Physics, American University in Cairo.
- Islam Elsayed Shokr, M.Sc. Thesis, January 2021, “Title: Study of charged particles production from proton-proton collisions in CMS (Compact Muon Solenoid) experiment at LHC”, Department of Physics, Mansoura University.
- Ahmad Ibrahim, M.Sc. Thesis, February 2022, “Shadows of a Schwarzschild Black Hole Surrounded by a Spherically Symmetric Dark Matter”, Department of Physics, American University in Cairo.

النشاط العلمى والأكاديمى

التعاون مع مجموعات بحثية متميزة محلية ودولية

- Involved in research Collaboration with gravity group at the Centre of Theoretical Physics at the British University in Egypt, namely Prof. Alexey Golovnev, Prof. Gamal Nashed and Dr. Waled El Hanafy.
- Involved in research Collaboration with Prof. Neil Lambert (Kings College, UK).
- Involved in research Collaboration with the Centre for Fundamental Physics at the Zewail City of Science and Technology, namely Prof. Shaaban Khalil.
- Involved in research Collaboration with the Department of Physics at the Ain Shams University, namely Prof. ElSayed Lashin.
- Involved in research Collaboration with Prof. S.D. Odintsov (ICE, Bellaterra & ICREA, Barcelona, Spain)
- Involved in research Collaboration with Dr. V.K. Oikonomou (Tomsk Pedagogical Inst. & TUSUR, Tomsk, Russia)
- Involved in research Collaboration with Prof. E. N. Saridakis (CUPT, Baylor U. USA & Natl. Tech. U., Athens, Greece).
- Involved in research Collaboration with Prof. S. Capozziello (INFN, Napoli U. Italy).
- Involved in research Collaboration with Dr. Mir Faizal (U. of Waterloo, Canada).
- Involved in research Collaboration with prof. S. Das (U. of Kentucky, USA).

دعوة متحدثين متميزين من جامعات دولية ومحلية لإعطاء محاضرات علمية

Invited Dr Neil Lambert (King's College, London, and CERN) to give a talk on Particle Physics and String Theory at AUC Physics Department, 2017 and BUE CTP 2022.

- Invited Dr Nicola de Filippis (University of Bari, Italy and LHC experiments at CERN) to give a talk on latest discoveries at LHC accelerators at AUC Physics Department, 2018.
- Invited Dr Amr El Zant (Director of the center of Theoretical Physics at The British University in Egypt) to give a talk about new modeling of Dark Matter at AUC Physics Department, 2017.
- Invited Dr Adham Naji (Sheffield University, England) to give two informal talks to the theoretical physics group about “Electromagnetic resonators and optimal designs” at AUC Physics Department, 2017.
- Invited Dr Sumit Das (U. of Kentucky) to give talks about “Thermalization in String Theory” at Zewail City 2013.
- Invited Dr Mohab Abou Zaid (Mainz Institute for Theoretical Physics) to give a talk about “The Status of String Theory” at AUC Physics Department, 2018, BUE-CTP, 2016 and Zewail City 2013.
- Invited Dr Amr Ahmadain (University of Cambridge) to give a talk about “Entanglement Entropy in Quantum Fields and Gravity” at AUC Physics Department, 2018.

المشاركة في الجمعيات العلمية الدولية

- 2007 American Physical Society.
- 2007 American Association of Physics Teachers.
- 2005 Associate Membership of International Center for Theoretical Physics, Trieste, Italy.
- 2022 Arab Physical Society.

تحكيم مشاريع في مؤسسات تدعم البحث العلمي

- Science and Technology Developing Funds (STDF).
- Misr Elkhair Funding Agency.

بيان بالمشروعات البحثية

دور المرشح	التكلفة الكلية	تاريخ المشروع	الجهة المستفيدة	الجهة الممولة	عنوان المشروع	م
Principle Investigator (PI)	\$20000 USD	2018-2020	Basic science research. supported 2 students	American University in Cairo	Dynamical Systems Approach to Cosmology	1
Co-PI	One million EGP	2017-2019	Basic science research. supported 1 student	STDF	Concordance Cosmology: Consequence and Alternatives in Light of Current and Next Generation Data	2
Co-PI	\$60,000 USD	2009-2011	Basic science research. supported 3 students	STDF-NSF	Search for Physics beyond the Standard Model	3

PI	200,000 EGP	2009-2011	Basic science research. supported 2 students	ASRT	Particle Physics Phenomenology in LHC Era	4
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المناصب الادارية

- نائب مدير مركز الفيزياء الاساسية في مدينة زويل العلمية (2013-2012)
- نائب مدير مركز الفيزياء النظرية في الجامعة البريطانية (2017-2014)
- نائب المنسق العام في المشروع القومي لشبكة فيزياء الطاقة العالية (اكاديمية البحث العلمي والتكنولوجيا) التي تعاونت بحثياً مع مجموعة تجربة LHC في سيرن جنيف-الهيئة النووية الاوروبية.

الأنشطة الجامعية

عضوية لجان اكااديمية

Academic Year	Department Counsels/Committees	Faculty of Sciences Counsels/Committees	University Counsels/Committees
2020-2021 Ain Shams University	- Member of Department Counsel -High Performance Computing Com.	-Faculty Com. on Society and Environment.	- Member of University Research Counsel - Member of University Physics Counsel
2021-2022 Ain Shams University	-Member of Department Counsel -High Performance Computing Com.	-Member of Faculty Counsel	- Member of University Research Counsel - Member of University Physics Counsel
2022-2023 Ain Shams University	Member of MSc and PhD Seminar Com. Member of Department Counsel -High Performance Computing Com.	Faculty Com. on Textbooks and library.	- Member of University Research Counsel - Member of University Physics Counsel
2023-2024 Ain Shams University	Head of MSc and PhD Seminar Com. Member of Department Counsel -High Performance Computing Com.	Faculty Com. on Students Affairs	- Member of University Research Counsel

Academic Year	Department Counsels/Committees	School Counsels/Committees
2012-2013 Centre of fundamental physics & Zewail City	-Faculty and graduate students selection com. -Research Com.	-Curriculum com. (M.Sc. Curricula) -Research Com.
2017-2018 American University in Cairo	- Assessment com. -Undergraduate Advising Com. - Curriculum com. - Research Com. -Teaching effectiveness com.	
2018-2019 American University in Cairo	-Assessment com. -Undergraduate Advising Com. - Curriculum com. - Research Com. -Teaching effectiveness com. -Studio classroom com. -Undergraduate advising com.	- School of Science and Engineering, Ad hoc committee for professorship promotion.
2019-2020 At American University in Cairo	-Assessment com. -Undergraduate Advising Com. - Curriculum com. - Research Com. -Teaching effectiveness com. -Studio classroom com. -Undergraduate advising com.	- School of Science and Engineering, Ad hoc committee for professorship promotion.

الأنشطة المجتمعية والثقافية

• مقالات عامة لنشر المعرفة العلمية في الفيزياء والعلوم الأخرى

- مقالات دورية في جريدة "المنصة" الإلكترونية:

<https://manassa.news/author/7962>

• محاضرات عامة لنشر المعرفة العلمية

- a. محاضرة عامة في (AUC) Astronomy Club "التفاعل بين فيزياء الجسيمات وعلم الكونيات" سبتمبر 2019.
- b. محاضرة عامة بقسم الرياضيات بجامعة القاهرة في ورشة العمل المتقدمة للطلاب الجامعيين حول "الاتجاه الحديث في أبحاث الفيزياء النظرية" الجسيمات الأولية والمادة المظلمة والطاقة المظلمة "أغسطس 2019.
- c. محاضرة عامة لطلاب قسم الفيزياء، الجامعة الأمريكية بالقاهرة، حول "ماذا نعرف عن الكون" أكتوبر 2017.
- d. محاضرة عامة في جمعية طلاب الفيزياء، "الكون: الجانب المظلم" الجامعة الأمريكية بالقاهرة، نوفمبر 2017.
- e. محاضرة عامة بمدينة زويل للعلوم والتكنولوجيا "الثقوب السوداء وميكانيكا الكم" سبتمبر 2016.
- f. محاضرة عامة اثناء مؤتمر لنشطاء SCITA ASTROFAN في مكتبة الزاوية العامة عن "الكون"، أكتوبر 2016.
- g. محاضرة عامة بمؤتمر الطاقة جامعة المنصورة، "فيزياء الجسيمات ونظرية مجال الكم" أكتوبر 2015.
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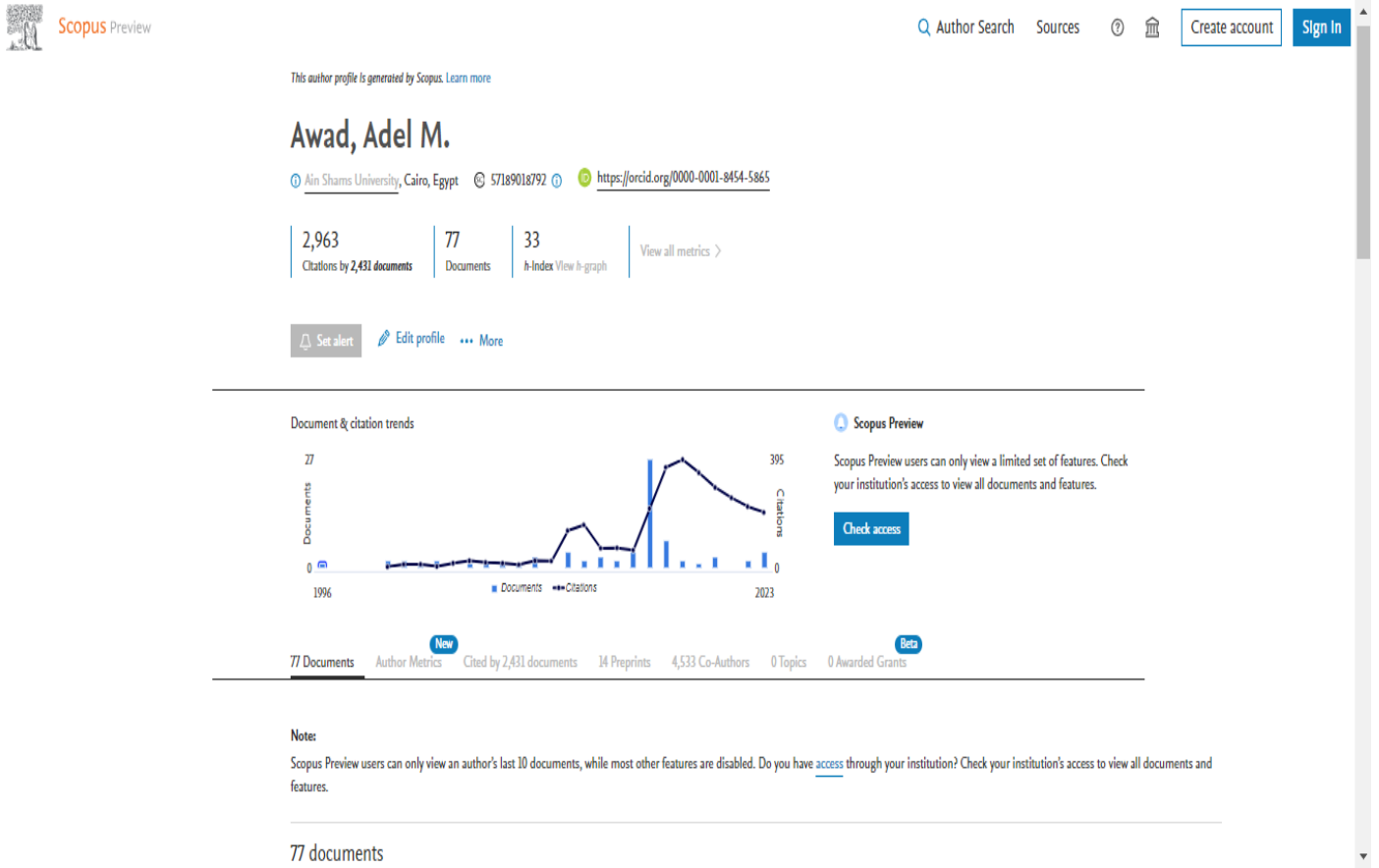
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Publication from Scopus data:

مجمّل الانتاج العلمي	Scopus
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