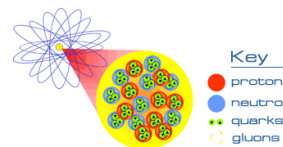


A Brief Profile



Myself, **Dr. Mohammad Ayaz Ahmad** completed **Ph.D.** in Nuclear Particle Physics in the year of **2010** and M. Phil. (Physics) in **2005** from the Physics Department, Aligarh Muslim University, Aligarh, India. I worked as a **Guest Lecturer** for B. Sc. Laboratory Classes in the same Department, Aligarh Muslim University, Aligarh w.e.f. **10th Oct. 2002 to 10th Oct. 2008** and also as a **Lecturer** at Senior Secondary College (Boy's) of Aligarh Muslim University, Aligarh w.e.f. **11th Oct. 2008 to 15th Dec. 2010**.

I worked as an **Assistant Professor** at **University of Tabuk, Saudi Arabia**, D.O.F. Physics w.e.f. 16th Dec. 2010 to 28th July 2021. I was **Associate Professor** in Physics at **Mohammad Ali Jauhar University**, Rampur, Uttar Pradesh, India w.e.f. 25th Oct. 2021 to 17th Oct. 2022. And presently I am working as **Professor full time at University of Guyana, South America** w.e.f. **17th Oct. 2022 till date**. I am also an **Honorary Adjunct Faculty/ International Faculty member @ Maryam Abacha American University of Nigeria**, w.e.f. 16-06-2024 to 15-06-2029; <https://maaun.edu.ng/international-faculty/>

I am a very versatile and independent researcher, extremely curious and creative physicist who enjoys very much doing science. I'm very passionate person and love what I do, so my environment gets always contagious by my energy and passion for science. I'm never what you usually expected. I always give more and improve every day.

I am involved in teaching and research more than **fifteen years**. Besides the undergraduate courses I am teaching/taught courses of Nuclear Physics, Particle Physics and Electrodynamics to postgraduate students. For the past several years, I am working in the field of High Energy Heavy Ion Collisions Physics along with some Interdisciplinary Sciences and has **published more than (100+) research papers** in various refereed journals, like Journal of Physics G (**IOP Journal**), Nuclear Physics A (**Journal of Science Direct/ Elsevier Journals**), Journal of Physical Society Japan, Inter. Journal of Mod. Physics E (**World Scientific**), Romanian Reports in Physics, Ukrainian Journal of Physics (**National Academy of Sciences of Ukraine**), International Journal of Applied Physics and Mathematics, (IJAPM), (**Singapore**), e.t.c.

I am doing some personal research in Collaboration with various following researchers:

- (i) Hubei University of Automotive Technology, Zhangwan, Shiyan, Hubei, 442002, CHINA
- (ii) Department of Physical Sciences, Banasthali Vidyapith, 304022, Rajasthan, India
- (iii) Inter-University Accelerator Centre, New Delhi, 110067, India
- (iv) Department of Electrical Engineering, College of Engineering, Qassim University, Buraydah, 51452, Saudi Arabia
- (v) ICTP-SAIFR/IFT-UNESP, Sao Paulo – Brazil
- (vi) Laboratory “Transfer of Information Technologies in the risk reduction systems”, Kharkov National University of Radio-Electronics, Ukraine, (Faculty member; Professor Vyacheslav V. Lyashenko and some other colleagues).

Curriculum Vitae

<i>Dr. Mohammad Ayaz Ahmad</i> <i>(Professor)</i> Department of MPS, Faculty of Natural Sciences Turkeyen Campus, University of Guyana, Greater Georgetown Zip -101110, Guyana, South America WhatsApp +918534074624 Email:- mayaz.alig@gmail.com	
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Educational Qualifications:-

Degree	University / Board	Year	Grade
Ph. D.	Aligarh Muslim University, Aligarh, India	2010	Awarded
M. Phil.	Aligarh Muslim University, Aligarh, India	2005	A ⁺
M. Sc.	M. J. P. Rohilkhand University, Bareilly, India	2000	II Div.
B.Sc.	M. J. P. Rohilkhand University, Bareilly, India	1997	II Div.
Senior Sec.	U.P. Board (Govt. Int. College)	1993	II Div.
High School	U.P. Board (Govt. Int. College)	1990	I Div.

Specialization in Teaching:- Nuclear Physics, Particle Physics, Electrodynamics, Electronics, Statistical Mechanics and Quantum Mechanics e.t.c.

Total Teaching Experience:- 15 years

Total Research Experience:- 18 years

Specialization in M.Sc.:- Electronics

Field of Research:- Relativistic Heavy Ion Collisions and QGP & Interdisciplinary

Title of Ph. D. Thesis:- *“A Study of Intermittency and Multifractality in ²⁸Si-emulsion Collisions at 14.6A GeV”*

(A brief Summary of Ph. D. Thesis has been published in the “Proceedings of the DAE Symposium on Nuclear Physics”, Volume-53, (2008), pp. 779-780.

Title of M. Phil. Dissertation:- *‘Some Characteristics of Heavy Ion Collisions at High Energies’*

Computer Knowledge:- C & C++ programming, FORTRAN, MS Word & Basic e.t.c.

Teaching Experience:-

Position	Time Period /duration	Place of work
Professor (full time)	17 th Oct. 2022 – till date	Department of MPS, University of Guyana, Georgetown, South America
Honorary Adjunct Faculty	16-06-2024 to 15-06-2029 https://maaun.edu.ng/international-faculty/	Maryam Abacha American University of Nigeria, Kano, Nigeria
Associate Professor	10 th Aug. 2021 – 16 th Oct. 2022	Physics Department, Mohammad Ali Jauhar University, Rampur, UP, India
Assistant Professor	16 th Dec. 2010 – 28 th July 2021	Physics Department, University of Tabuk, Saudi Arabia
Lecturer	11 th Oct. 2008 - 15 th Dec. 2010	Senior Secondary College (Boy's) of Aligarh Muslim University, Aligarh
Guest Lecturer	10 th Oct. 2002 - 10 th Oct. 2008	Physics Department, Aligarh Muslim University, Aligarh

Administrative Experience:-

- [1] I was appointed as a **Warden (Dining Hall In-Charge)** at **V.M. Hall, AMU, Aligarh w.e.f. 6-04-2010 to 30-11-2010.**

Present Teaching Courses:-

General Physics-1 (Mechanics), General Physics-2 (Electricity & Magnetism), Electrodynamics, Basic Electronics, Quantum, Mechanics Nuclear Physics and Particle Physics.

Fellowships & Awards:-

- [1] University JRF/SRF w.e.f. June 20, 2005 to December 20, 2006.
- [2] **3rd Best Oral Presentation Award** on the occasion of **National Science Day-2008**, in the Department of Physics, AMU, Aligarh, the title of presentation is “Two-Dimensional Study of Dynamical Fluctuations in Relativistic Heavy Ion Collisions”.
- [3] I have got “**Weisskopf Scholarship - 2009**” granted by “**Prof. Dr. Antonino Zichichi**”, Director of the “**Ettore Majorana International School of Subnuclear Physics (EMISSP)**” to attend the 47th Course: The Most Unexpected at LHC and the Status of High Energy Frontier from 29 August - 7 September, 2009 at **Erice (Sicily), Italy**. This Scholarship is a part of **ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE (EMFCSC)**.
- [4] I have got the “**Best Scientific Secretary Award**” at “**Ettore Majorana International School of Subnuclear Physics (EMISSP), 2009 Erice**” provided by **World Federation of Scientists, & ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE (EMFCSC)** by Nobel Laureate “**Prof. Gerardus t Hooft and Director of School Prof. Antonino Zichichi**”
- [5] I have got a “**Certificate of Outstanding Merit 2010**” for brining laurels to the University” on the occasion of **61st Republic Day Meeting** from Hon. Registrar and Manager of the Schools (**Prof. V. K. Abdul Jaleel**).
- [6] I have got an “**Accreditation Certificate**” from **1st Doha International Astronomy Conference at Qatar National Convention Centre (QNCC) Doha Qatar** in a poster presentation during Feb. 14 - 16, (2013).
- [7] I have got “**Weisskopf Scholarship - 2014**” granted by “**Prof. Dr. Antonino Zichichi**”, Director of the “**Ettore Majorana International School of Subnuclear Physics (EMISSP)**” to attend the 52nd

Course: STATUS OF THEORETICAL UNDERSTANDING AND OF EXPERIMENTAL POWER FOR LHC PHYSICS AND BEYOND from **June 24 – July 3, 2014**, held at **Erice (Sicily), Italy**.

- [8] I have got “**Weisskopf Scholarship - 2015**” granted by “**Prof. Dr. Antonino Zichichi**”, Director of the “**Ettore Majorana International School of Subnuclear Physics (EMISSP)**” to attend the 53rd Course: THE FUTURE OF OUR PHYSICS INCLUDING NEW FRONTIERS from **June 24 – July 3, 2015**, held at **Erice (Sicily), Italy**.

Invited talks:- (Four)

- [1] I have given a talk for the new talent session at **International School of Subnuclear Physics, 47th Course: The Most Unexpected at LHC and the status of High Energy Frontier** from **Aug. 29-Sep.7, 2009** held at **Erice (Sicily), Italy**. The title of talk is given as:- “**Some aspects of dynamical fluctuations in heavy ion collisions at AGS energies**”. Published on website:- <http://www.ccsem.infn.it/issp2009/>
- [2] I have given a talk for the “Faculty of Science Seminar”, @ **University of Tabuk, Saudi Arabia** on **22nd November, 2016**, entitled “**Some Aspects of High Energy Heavy Ion Collisions at BNL & CERN Energies**” in respect to enhance the subject knowledge for Graduate Students.
- [3] I served as a **Keynote Speaker** for the Sub-theme ‘Scientific and Technological Change’ at the **3rd Graduate Research Symposium 2024**, during October 2nd to 4th 2024. The overarching theme of the symposium was ‘Vulnerability, Resilience & Change towards Sustainability: Multidisciplinary and Interdisciplinary Perspectives’ at Turkeyen Campus, Greater Georgetown, Guyana, South America.
- [4] I delivered a talk entitled “**The effect of magnetic field on soybean growth and soil microbial diversity**” on 2nd International Conference on Global Sustainable Development (ICGSD-2025), on 23 - 24 May 2025, held at Abu Dhabi University, Dubai, United Arab Emirates (UAE).

Academic Training: Attended Schools, Workshops & Others:-

- [1] Attended **IV SERC School on Experimental High Energy Physics** held on Feb17- March1, 2003 **Variable Energy Cyclotron Centre (VECC), Kolkata** India.
- [2] Attended the **QGP MEET, 2003** held on May 5-7, 2003 at Variable Energy Cyclotron Centre (VECC), Kolkata India.
- [3] Attended the **QGP MEET, 2004** held on Oct. 7-9, 2004 at Institute of Physics (IOP), Bhubaneswar, India.
- [4] Attended “**Workshop on Simulation Techniques in High Energy Physics**” held on March 20-25, 2006 at Physics Department, Aligarh Muslim University, Aligarh, India.
- [5] Attended “**IV DAE Workshop on Hadron Physics**” held on Fe. 18-23, 2008 at Physics Department, Aligarh Muslim University, Aligarh, India.
- [6] Attended “**Object Oriented Programming C++ and Ali Root Simulation**” from 23rd - 27th June, 2009 at **Variable Energy Cyclotron Centre (VECC), Kolkata**, India.
- [7] Attended “Advanced Semiconductor Detectors” (ASD2015) Workshop” held on March 7-14, 2015 at University of Tabuk, Saudi Arabia. <https://indico.mpp.mpg.de/conferenceDisplay.py?ovw=True&confId=3306>
- [8] Attended “Statistical Analysis Workshop by using Statistics Package for Social Sciences (SPSS) (SPSS 2016 Workshop)” held on March 27-28, 2016 at Faculty of Science, University of Tabuk, Saudi Arabia.
- [9] Attended and presented one article orally by SKYPE “International Conference on Applied Sciences ICAS2019, May 9-11, 2019, Hunedoara, Romania. <http://www.fih.upt.ro/v4/ICAS2019/index.htm>
- [10] Attended and presented (1-7) articles orally by SKYPE “The 10th Scholarly Meeting on the Dialogue between Science and Theology” during November, 2019, May 2018, Nov. 2017, 2016 at Slovakia-Romania.

Research Oriented Foreign Visits:- (06)

- [1] Attended **29th International Nathiagali Summer College on “Physics and Contemporary Needs - 2004”** held at Nathiagali (Islamabad), Pakistan, June 28 - July 10, 2004, organized by Pakistan Atomic Energy Commission and National Centre for Physics Islamabad (Pakistan) & ICTP Italy.
- [2] Attended **International School of Subnuclear Physics, 47th Course: The Most Unexpected at LHC and the status of High Energy Frontier from Aug. 29-Sep. 7, 2009** held at **Erice (Sicily), Italy**. There I have delivered a talk on **“Some aspects of dynamical fluctuations in heavy ion collisions at AGS energies”**.
- [3] I visited **KEK Laboratory (High Energy Accelerator Research Organization), Tsukuba, Japan**. I worked there 45 days in **Belle2 experiment** on behalf of **“active member of Belle-2 experiment”** from the side of **“University of Tabuk, Saudi Arabia”** during the period June 26 – August 10, 2011.
- [4] Attended **1st Doha International Astronomy Conference at Qatar National Convention Centre (QNCC) in Collaboration with University of St. Andrews and Royal Astronomical Society, London, U.K.** during 10-13 February, 2013 at Doha Qatar.
- [5] **International School of Subnuclear Physics, 52nd Course: STATUS OF THEORETICAL UNDERSTANDING AND OF EXPERIMENTAL POWER FOR LHC PHYSICS AND BEYOND** from **June 24 – July 3, 2014**, held at **Erice (Sicily), Italy**.
- [6] I delivered a talk entitled **“The effect of magnetic field on soybean growth and soil microbial diversity”** on 2nd International Conference on Global Sustainable Development (ICGSD-2025), on 23 - 24 May 2025, held at Abu Dhabi University, Dubai, United Arab Emirates (UAE).

Research Grants Acquired:- (03)

(1) Project Title:- *Dynamical Fluctuations of Produced Particles in High Energy Heavy Ion Collisions.*

Project Number:- S-1434-0035/UOT/KSA

Rewarded by Agency:- Vice Presidency / Studies and Scientific Research / Deanship of Scientific Research on behalf of University of Tabuk, Kingdom of Saudi Arabia and Ministry of Higher Education KSA.

Position:- Principal Investigator (P.I.) & **Period of Execution:-** 9 Months Year (2012-2013) or (1434-1435 H.) // **Total Cost:-** 68,400 Saudi Arabian Riyals (SAR)

Objectives Achieved:- Studied multiplicity fluctuations and results will be published in various International Journals and various National/International conferences.

Number of Collaborators and Students:- Co. P. Is. – (03) and Graduate Students (02)

(2) Project Title:- *Evolutionary Computational study of nuclear collisions at high energies using by light and heavy nuclei.*

Project Number:- S-1436-0263/UOT/KSA

Rewarded by Agency:- Vice Presidency / Studies and Scientific Research / Deanship of Scientific Research on behalf of University of Tabuk, Kingdom of Saudi Arabia and Ministry of Higher Education KSA.

Position:- Principal Investigator (P.I.) & **Period of Execution:-** 9 Months Year (2014-2015) or (1436-1437 H.) // **Total Cost:-** 35,000 Saudi Arabian Riyals (SAR)

Objectives Achieved:- Will be study for large density fluctuations and results will be published in various International Journals and various National/International conferences.

Number of Collaborators and Students:- Co. P. Is. – (01) and Graduate Students (02)

(3) Project Title:- *Food, Culture, and Resilience in Saudi Arabia: Historical Narratives and Future Pathways under Vision 2030.*

Position:- Principal Investigator (P.I.) & **Period of Execution:-** 9 Months Year (2025-2016) // **Total Cost:-** 5000 \$ (USD)

Rewarded by Agency:- Dean of Research, Prince Mohammad Bin Fahd University, Al-Khobar, Saudi Arabia, dated on September, 2025.

Details of Research Publications and others at a glance:

S. No.	Particular Details	Quantity
1.	Research Papers Published in International Journals (Web of Science only)	75
2.	Research Papers Published in International Journals (SCOPUS database only)	92
3.	Research Papers Published in Various Peer Reviewed Journals	75
4.	Research Papers Published in proceedings of various conferences + National Journals	27
5.	Total Published Papers (International Journals + Peer Reviewed + Conference Proceedings etc.....) = SUM of (2+3+4)	194
6.	Book and Book Chapters in Springer and IEEE	(1 + 4)
7.	Research Abstracts / Poster Contributed at various National/International conferences and symposia	36
8.	Attended National and International Conferences	31
9.	Attended Academic Training i.e. Summer Schools/Workshops	15
10.	Foreign Visits for Research Work	05
11.	Invited talks at various places national / International levels	03
12.	Supervision of Project work for Graduate Students (B.Sc. & M. Sc.)	10
13.	Technical Reviewer / Scientific Advisory Committee for International Conferences	05
14.	Editorial Membership:- (i) International Editorial Board Membership in the ER Publications (since 2013 up to present day, http://www.erpublishings.com/editorial-board.php (ii) International Journal of High Energy Physics, ISSN:-2376-7405, (Science Publishing Group) http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=124 (iii) European Journal of Chemistry, Environment and Engineering Sciences (ISSN: 2606-6025) http://ejcees.eu/doku.php?id=editorial_board (iv) International Journal of All Research Education & Scientific Methods, An ISO Certified Peer-Reviewed Journal, ISSN:-2455-6211, http://www.ijaresm.com/editorial-board (v) Open Environmental Research Journal (OERJ) – BENTHAM OPEN	05
15.	Reviewer for International Journals:- I have reviewed approximate 30-35 Research Article of various Journals of:- (IOP Journal), (Journal of Science Direct/ Elsevier Journals), Journal of Physical Society Japan, Inter. Journal of Mod. Physics E (World Scientific), Romanian Reports in Physics, Ukrainian Journal of Physics (National Academy of Sciences of Ukraine), Springer's Journal. e.t.c.	40
16.	Participations in various Departmental Committees / Accreditation work :- (Since 2012 to today) @ UOT, KSA, India & Guyana, South America	16
17.	Laboratories Memberships:- I am in a membership of the Holifield Radioactive Ion Beam Facility at Oak Ridge National Laboratory, USA, since March, 2011 up to date, http://www.supporttribf.org	01
18.	Ph.D. Thesis Evaluated / Examiner-ship:- I have been assigned a Ph. D. Thesis examiner on behalf of Dr. R. Jayavel (Director, Centre for Research) @ Anna University, Chennai 600025, India, with Reference code-71060121012/Ph.D./AR5 and entitled "Investigations on the Structural Morphology and Thermal Properties of Pure and Doped Cadmium Oxalate Tartrate Single Crystals", submitted by candidate of Mr. Arumugam D. On dated Aug 31, 2016	01
19.	Master Dissertation Evaluated / Examinership: - 1- I have been assigned an examiner for the master dissertation @ King AbdulAziz University, Jeddah, Saudi Arabia, with Reference code-71060121012/Ph.D./AR5 and entitled "Investigations on the Structural Morphology and Thermal Properties of Pure and Doped Cadmium Oxalate Tartrate Single Crystals", submitted by candidate of Mr. Arumugam D. On dated Aug 31, 2016. 2. One master student at University of Guyana, South America	02

Note:- The total Citations of research work along with various authors are (4100+) and also available on the following web links [Last updates @ 30th December 2025:-

h-index --- [32] and i10-index -- [117]

- [1] University of Guyana:- <https://fns.uog.edu.gy/staff/dr-mohammad-ayaz-ahmad>
 [2] Publons :- <https://publons.com/researcher/1473522/mohammad-ayaz-ahmad/>
 [3] Google Scholar Citations:- <https://scholar.google.com/citations?hl=en&user=ImYgQe0AAAAJ>
 [4] SCOPUS Author details:- <https://www.scopus.com/authid/detail.uri?authorId=57221604185>
 [5] ORCID ID:- <https://orcid.org/0000-0002-5731-5439>
 [6] Honorary Adjunct Faculty @ Maryam Abacha American University of Nigeria:- <https://maaun.edu.ng/international-faculty/>
 [7] INSPIRE-High Energy Physics (New):- <https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=M.A.Ahmad>
 [8] IAEA: International Nuclear Information System (INIS):- https://inis.iaea.org/search/search.aspx?orig_q=M.+Ayaz+Ahmad&src=ics
 [9] Frontier in Physics / Loop:- <https://loop.frontiersin.org/people/210083/publications>
 [10] Research Gate:- <https://www.researchgate.net/profile/M-Ahmad-19>
 [11] AD Scientific Index:- <https://www.adscientificindex.com/scientist-print/428893/>

Personal Information's:-

Name of Applicant	Dr. Mohammad Ayaz Ahmad
Father's Name	Mr. Ameen Ahmad
Mother's Name	Mrs. Shakila Begum
Date of Birth	15- 02-1976
Nationality	Indian
Sex	Male
E-mail I.D.	mayaz.alig@gmail.com mohammad.ahmad@uog.edu.gy
Permanent Address	Mohalla-Khatpur, P.O. Shahbad District Rampur, U.P. India, 244922 Phone no. - 0091 8534074624
Present Address	Lot, 199, Nine St. Industry, Guyana, S.A.
Office Contact No.	+5926172896
Mobile. No. / WhatsApp	+918534074624
Marital Status	Married
Wife's Name	Nargis Jahan
Children's	Two (1 daughter & 1 son)
Passport No.	V3368469
Issue Date and Place	03-11-2021 (Bareilly, India)
Date of Expiry	02-11-2031
Language Fluency	Hindi, English & Urdu

List of Publications

Paper Published in International Journals (Web of Science & SCOPUS only)

YEAR 2006

- [1] Shafiq Ahmad, **M. Ayaz Ahmad**, M. Irfan and M. Zafar, “Study of non-statistical fluctuations in relativistic nuclear collisions”, *J. of the Physical Society of Japan*, Vol. 75. No.6, (2006), pp.-064604 (1-9). <https://doi.org/10.1143/JPSJ.75.064604>
- [2] Shafiq Ahmad and **M. Ayaz Ahmad**, “A comparative study of multifractal moments in heavy ion collisions at high energies”, *J. of Phys. G: Nucl. and Part. Phys.* 32, (2006), pp.-1279-1293. <https://doi.org/10.1088/0954-3899/32/9/006>
- [3] Shafiq Ahmad and M. Ayaz Ahmad, “Some observations related to intermittency and multifractality in ²⁸Si and ¹²C-nucleus collisions at 4.5A GeV”, *Nuclear Physics A*, Vol. 780, (2006), pp. 206-221. doi: 10.1016/j.nuclphysa.2006.09.009

YEAR 2007

- [4] Shafiq Ahmad and **M. Ayaz Ahmad**, “Study of the levy stability and intermittent behavior in ²⁸Si-emulsion collisions at 4.5A GeV”, *Nuclear Physics A*, Vol. 789, (2007), pp. 298-310. doi: 10.1016/j.nuclphysa.2007.04.002
- [5] M Tariq, **M. Ayaz Ahmad**, Shafiq Ahmad and M. Zafar, “Analysis of high N_s-multiplicity events produced in relativistic heavy ion collisions at 4.5A GeV/c”, *Romanian Reports in Physics (RRP)*, Vol. 59 No.3, (2007) Page 773-790.
- [6] **M. Ayaz Ahmad** and Shafiq Ahmad, “Study of non-thermal phase transition in ²⁸Si – nucleus collisions at 14.6A GeV”, *Int. J. of Modern Physics E*, Vol. 7 & 8, (2007), pp. 2241-2247. doi: 10.1142/s0218301307007751

YEAR 2008-2013

- [7] Shafiq Ahmad, **M. Ayaz Ahmad**, M. Tariq and M. Zafar, “Charged multiplicity distribution of relativistic charged particles in heavy ion collisions”, *Int. Journal of Mod. Physical E*, Vol. 18, No.9, (2009), pp. 1929-1944. doi: 10.1142/s0218301309013968
- [8] **M. Ayaz Ahmad**, Shafiq Ahmad and M. Zafar, “Intermittent and scaling behaviour of shower particles produced in the collisions of ²⁸Si - Em at 14.6A GeV”, *Indian J. of Physics* 84 (12), (2010), pp. 1675-1681, doi:10.1007/s12648-010-0156-2
- [9] **M. Ayaz Ahmad**, and Shafiq Ahmad, “Study of angular distribution and KNO scaling in the collisions of ²⁸Si with emulsion nuclei at 14.6A GeV”, ISSN: 2071-0186, *Ukrainian J. of Physics*, Vol. 57, No. 12, (2012), pp. 1205-1213.
- [10] **M. Ayaz Ahmad**, Mir Hashim Rasool and Shafiq Ahmad, “Scaling nature of target fragments in the ²⁸Si-emulsion interactions at an energy 14.6A GeV”, ISSN: 2071-0186, *Ukrainian J. of Physics*, Vol. 58, No. 10, (2013), pp. 944-955. doi: 10.15407/UJPE58.10.0944

YEAR 2015

- [11] Mohammad Shahzad, Viet-Thanh Pham, **M. Ayaz Ahmad**, Sajad Jafari, Fatemeh Hadaeghi, “Synchronization and circuit design of a chaotic system with coexisting hidden attractors”, *The European Physics; Journal Special Topic*, Vol. 228 (8), (2015), pp. 1637-1652, doi:10.1140/epjst/e2015-02485-8
- [12] Mir Hashim Rasool, **M. Ayaz Ahmad** and Shafiq Ahmad, “Signal of Unusual Large Fluctuations in ³²S-Em Interactions at SPS Energies”, *Journal of Korean Physical Society* 67, (2015), pp. 448-457. <https://doi.org/10.3938/jkps.67.448>
- [13] Mir H. Rasool, **M. Ayaz Ahmad**, Shafiq Ahmad, “Multifractal study and multifractal specific heat of singly charged particles produced in ³²S-Em interactions at 200A GeV”, *Chaos Solitons & Fractals*, Vol. 81, (2015), pp. 197-202 DOI:10.1016/j.chaos.2015.08.027
- [14] Mir Hashim Rasool, **M. Ayaz Ahmad**, Omveer Singh, Shafiq Ahmad, “Multiplicities of Forward - Backward Relativistic Charged Particles Produced in ³²S-Emulsion Interactions at 200 A GeV/c”, *Chinese Journal of Physics- Taipei-* 53(5), (2015), pp. 100302-1-11. doi: 10.6122/CJP.20150629

YEAR 2016-2017

- [15] Mircea Resteu, Remus Dobra, Dragos Pasculescu, **M. Ayaz Ahmad**, "Quality Engineering Tools Focused on Designing Remote Temperature Measurements for Inaccessible Locations by Using Light Components Parameterization of the Heated Materials", *IOP Conference Series Materials Science and Engineering*, Vol. 133, (2016), pp. 012059. [doi:10.1088/1757-899X/133/1/012059](https://doi.org/10.1088/1757-899X/133/1/012059)
- [16] Maria Loredana Boca, Remus Dobra, Dragos Pasculescu, **M. Ayaz Ahmad**, "Analysis and simulation of industrial distillation processes using a graphical system design model", *Proc. SPIE*, Vol. VIII (10010), (2016), pp. 100102U-1-8, [doi:10.1117/12.2245971](https://doi.org/10.1117/12.2245971)
- [17] Mir Hashim Rasool, **M. Ayaz Ahmad**, Muzamil Bhat, Om Veer Singh, Shafiq Ahmad, "Chapter-10: Multiplicity Characteristics of Forward-Backward Emitted Particles in Heavy-Ion Interactions at SPS Energies" (2016), pp. 61-66.
© Springer International Publishing Switzerland 2016; B. Bhuyan (ed.), *XXI DAEBRNS High Energy Physics Symposium*; Springer Proceedings in Physics 174, [DOI 10.1007/978-3-319-25619-1_10](https://doi.org/10.1007/978-3-319-25619-1_10). Springer Book Chapter
- [18] Gbolahan, B.W., Abiola, A.I., Kamaldin, J., **Ahmad, M. Ayaz**, Atanassova, M.S., "Accession in centella asiatica; Current understanding and future knowledge", *Journal of Pure and Applied Microbiology*, Vol.10(4), (2016), pp. 2485–2494; [DOI:10.22207/JPAM.10.4.02](https://doi.org/10.22207/JPAM.10.4.02)
- [19] Tătar, A., **Ahmad, M. Ayaz**, Buica, G., Dobra, R., Pasculescu, D., "Development of desulfurization process in Romania thermal power plants", *International Journal of Civil Engineering and Technology*, Vol. 7(2), (2016), pp. 193–202.
- [20] Rostami, Z., **Ahmad, M. Ayaz**, Khan, M.U., ..Rashidzadeh, S., Shariati, M.A., "Food preservation by hurdle technology: A review of different hurdle and interaction with focus on foodstuffs", *Journal of Pure and Applied Microbiology*, Vol.10(4), (2016), pp. 2633–2639; [DOI:10.22207/JPAM.10.4.20](https://doi.org/10.22207/JPAM.10.4.20)
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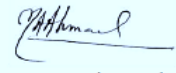
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DECLARATION

I hereby solemnly declare that all the above furnished details are true to best of my knowledge.

Place: Greater Georgetown (Guyana, South America)

Date: 7th December, 2024



Yours Sincerely
(M. Ayaz Ahmad)

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