

Curriculum Vitae

Dr. Rahbar Ali

PERSONAL AND CONTACT INFORMATION

Date and Place of birth	01 July 1980 and Shahjahanpur (Uttar Pradesh), India
Nationality	Indian
Address	House No. 348, Chowk Aala Khan Shahjahanpur Uttar Pradesh India
Marital Status	Married
Contacts	Cell No. +919956760553 and Tel No. 05842-356745
Email Address	rahbara@gmail.com

SCIENTIFIC EDUCATION

February 2012	Ph.D. in Experimental Nuclear Physics Aligarh Muslim University, Aligarh (U.P.) India
June 2004	M.Phil. in Experimental Nuclear Physics (with first class) 76.4% Aligarh Muslim University, Aligarh (U.P.) India
July 2001	Master's degree in Physics (with first class) 62.9% M.J.P. Rohilkhand University, Bareilly
July 1999	Undergraduate Degree in Physics, Chemistry, Mathematics (with first class) 65.4%

PRESENT POSITION

Since Nov. 2008 | Assistant Professor
Dept. of Physics, G.F. (P.G) College, Shahjahanpur
Affiliated to M. J. P. Rohilkhand University, Bareilly

TEACHING EXPERIENCE

Period of Teaching | Thirteen years
Subject taught | Nuclear Physics, Thermodynamics, Statistical Mechanics, Solid State Physics & Elements of Quantum Mechanics

ACADEMIC RESPONSIBILITIES

- Member of IQAC | Since 2017
- Member of Admission Committee | Since 2009

FELLOWSHIP AWARDED

- DAE-Consortium Scientific Project from VECC-Kolkata, September 2005 to March 31, 2008

AWARD

- Fast Track Young Scientist Project, Department of Science and Technology (DST)-New Delhi for the period of 3 years (2012-2015)

COMPETITIVE EXAM

- Graduate Aptitude Test in Engineering (GATE) 2007 with Gate Score-291.

COLLABORATION WITH

- Inter University Accelerator Centre (IUAC), New Delhi

- Aligarh Muslim University (AMU), Aligarh
- Variable Energy Cyclotron Centre (VECC), Kolkata
- Centre for Applied Physics, Central University Jharkhand, Brambe, Ranchi

INVITED SPEAKER

- Invited talk on topic entitled **“Disentangling the complete and incomplete fusion reaction mechanism in heavy ion induced reaction”** at National Conference on Nuclear and Accelerator Physics (NCNAP-2016) at Centre for Applied Physics, Central University of Jharkhand, Brambe, Ranchi-835205, India

REFEREE IN ‘JOURNAL OF PHYSICS G’

- Review an Article entitled on "Populating high spin states of a compound nucleus with the incomplete fusion mechanism: the effectiveness of heavy projectiles" by Diaz-Torres, Alexis; Lee, Iain
[Article reference: JPhysG-102958](#)

ORIENTATION PROGRAMME

- UGC Sponsored Orientation
Programme-OP116 at Academic Staff College, AMU-Aligarh | GRADE-A | Duration: July 15-August 11, 2011

REFRESHER COURSE

- Refresher Course on “Physics Information & Communication Technology 2016” at UGC-HRDC Univ. of Lucknow. | GRADE-A | Duration: March 01- March 21, 2016
- Refresher Course on “Special Summer School in Basic Sciences” at UGC-HRDC, AMU-Aligarh | GRADE-A | Duration: June 23- July 13, 2018

SCIENTIFIC PUBLICATIONS

Publications in Referred Journals:

- Projectile Break-up Effect on Fusion in $^{16}\text{O} + ^{156}\text{Gd}$ Reaction at Energy Range 4.3-6.3 MeV/A
Rahbar Ali, D. Singh, Harish Kumar, Suhail A. Tali, Asif Khan, M. Afzal Ansari, R. P. Singh & S. Muralithar
[Indian Journal of Pure & Applied Physics 59\(2021\) 103-108.](#)
- Signature of incomplete fusion reaction in $^{20}\text{Ne} + ^{159}\text{Tb}$ system: Entrance channel parameters effect
Rahbar Ali, D. Singh, Harish Kumar, Suhail A. Tali, M. Afzal Ansari & M. H. Rashid
[Indian Journal of Pure & Applied Physics 57\(2019\) 570-575.](#)
- Systematic study of break-up fusion process in $^{12}\text{C} + ^{165}\text{Ho}$ system and interplay of entrance channel parameters
Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, D. Singh, **Rahbar Ali**, Pankaj K. Giri, Sneha B. Linda, R. Kumar, Siddharth Parashari, S. Muralithar and R. P. Singh
[Phys. Rev. C 100 \(2019\) 024622](#)
- Incomplete momentum transfer in $^{16}\text{O} + ^{148}\text{Nd}$ system [at energy ~ 5.8 MeV/ Nucleon]
Pankaj K. Giri, Amritraj Mahato, D. Singh, Sneha B. Linda, Harish Kumar, Suhail A. Tali, **R. Ali**, N. P. M. Sathik, M. Afzal Ansari, R. Kumar, S. Muralithar & R. P. Singh
[Indian Journal of Pure & Applied Physics 57\(2019\) 619-623](#)
- Role of alpha cluster over non alpha cluster projectile in low energy incomplete fusion reaction dynamics
Suhail A. Tali , Harish Kumar, M. Afzal Ansari , Asif Ali , D. Singh , **Rahbar Ali** , Pankaj K. Giri, Sneha B. Linda , Rakesh Kumar, Siddharth Parashari , R. P. Singh , S. Muralithar
[Indian Journal of Pure & Applied Physics 57\(2019\) 544-547](#)
- Study of break-up fusion process from forward recoil range distribution measurement
Harish Kumar, Suhail A. Tali, M. Afzal Ansari, **Rahbar Ali**, D. Singh, Nafees M. P. N, R. Kumar, K. S.

Golda, R. P. Singh, S. Muralithar

[Indian Journal of Pure & Applied Physics 57\(2019\) 540-543](#)

- Systematic study of incomplete-fusion dynamics below 8 MeV/nucleon energy
Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Asif Ali, Siddharth Parashari, Pankaj K. Giri, Sneha B. Linda, R. Kumar, R. P. Singh & S. Muralithar
[Phys. Rev. C 99 \(2019\) 034610.](#)
- Probing incomplete fusion dynamics and role of the projectile deformation in the $^{19}\text{F} + ^{154}\text{Sm}$ system
D. Singh, Pankaj K. Giri, Amritraj Mahato, Sneha B. Linda, R. Tripathi, Harish Kumar, M. Afzal Ansari, N.P.M. Sathik, **Rahbar Ali**, R. Kumar, S. Muralithar and R.P. Singh
[Eur. Phys. J. A 55 \(2019\) 164](#)
- Probing of Incomplete fusion dynamics and its correlation with various systematic
D. Singh, Pankaj K. Giri, Amritraj Mahato, Sneha B. Linda, Harish Kumar, M. Afzal Ansari, **Rahbar Ali**, Suhail A. Tali, M. H. Rashid, R. Guin and S. K. Das
[Nucl. Phys. A 981 \(2019\) 75](#)
- Study of incomplete fusion reaction dynamics in $^{13}\text{C} + ^{165}\text{Ho}$ system and its dependence on various entrance channel parameters
Suhail A. Tali , Harish Kumar, M. Afzal Ansari , Asif Ali , D. Singh , **Rahbar Ali** , Pankaj K. Giri, Sneha B. Linda , Siddharth Parashari , R. Kumar, R. P. Singh , S. Muralithar
[Nucl. Phys. A 970 \(2018\) 208-223.](#)
- Role of input angular momentum and target deformation on the incomplete-fusion dynamics in the $^{16}\text{O} + ^{154}\text{Sm}$ system at ELab = 6.1 MeV/nucleon
D. Singh, Sneha B. Linda, Pankaj K. Giri, Amritraj Mahato, R. Tripathi, Harish Kumar, M. Afzal Ansari, N. P. M. Sathik, **Rahbar Ali**, R. Kumar, S. Muralithar, and R. P. Singh
[Phys. Rev. C 97 \(2018\) 064604.](#)

- Sensitivity of low-energy incomplete fusion to various entrance-channel parameters
 Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Kamal Kumar, N.P.M. Sathik, Asif Ali, Siddharth Parashari, R. Dubey, Indu Bala, R. Kumar, R.P. Singh, and S. Muralithar
[Eur. Phys. J. A 54 \(2018\) 47.](#)
- Observed side feeding in incomplete fusion dynamics in $^{16}\text{O} + ^{160}\text{Gd}$ reaction at energy ~ 5.6 MeV/A: Spin distribution measurements
Rahbar Ali, M. Afzal Ansari, D. Singh, Rakesh Kumar, D.P. Singh, M.K. Sharma, Unnati Gupta, B.P. Singh, P.D. Shidling, Dinesh Negi, S. Muralithar, R.P. Singh, R.K. Bhowmik
[Nuclear Physics A 968 \(2017\) 403-413.](#)
- Spin distribution of evaporation residues formed in complete and incomplete fusion in $^{16}\text{O} + ^{154}\text{Sm}$ system
 D. Singh, Sneha B. Linde, Pankaj K. Giri, Amritraj Mahato, Rahul Tripathi, Harish Kumar, M. Afzal Ansari, N. P. M. Sathik, **Rahbar Ali**, Rakesh Kumar, S. Muralithar, R. P. Singh
[Physics Letters B 774 \(2017\) 7-13.](#)
- Investigation of incomplete fusion dynamics at energy 4-8 MeV/nucleon
 Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Kamal Kumar, N. P. M. Sathik, Siddharth Parashari, Asif Ali, R. Dubey, Indu Bala, Rakesh Kumar, R. P. Singh, S. Muralithar
[Nuclear Physics A 960 \(2017\) 53-77.](#)
- Influence of Incomplete Fusion Reaction on Complete Fusion Below 10 MeV/ Nucleon Energies
 HARISH KUMAR, **RAHABR ALI**, D. SINGH, NASEEF M.P.N, M. AFZAL ANSARI, K. S. GOLDA, S. MURALITHAR, RAKESH KUMAR, J. J. DAS, R. P. SINGH AND R. K. BHOWMIK
[Journal of Nuclear Physics, Material Sciences, Radiation and Applications Vol. 3 \(2015\)47-54, No.1](#)
- Effect of Target Deformation on Incomplete Fusion Dynamics
 D. Singh, **Rahbar Ali**, M. Afzal Ansari, R. Kumar, R. P. Singh, S. Muralithar and R. K. Bhowmik
[EPJ Web of Conference 86 \(2015\) 00051.](#)

- Probing of complete and incomplete fusion dynamics in heavy ion collision.

D. SINGH, **RAHBAR ALI**, M. AFZAL ANSARI, B. S. TOMAR, M. H. RASHID, R. GUIN, S. K. DAS, R. KUMAR, R. P. SINGH, S. MURALITHAR, R. K. BHOWMIK

[PARMANA-journal of physics Vol. 82, No.04 \(2014\) 683-696.](#)
- Reaction mechanism in ^{16}O - ion interaction with light nuclei ^{45}Sc , ^{74}Ge and mass-asymmetry effect on incomplete fusion dynamics.

D. Singh, M. Afzal Ansari, **Rahbar Ali**, N.P.M. Sathik, B. S. Tomar and M. Ismail

[Journal of physical society of japan 82 \(2013\) 114201.](#)
- Observation of entrance channel mass-asymmetry on incomplete fusion reaction for $^{20}\text{Ne} + ^{165}\text{Ho}$ system.

D. Singh, **Rahbar Ali**, M. Afzal Ansari, B. S. Tomar, M.H. Rashid, R. Guin and S. K. Das

[Nucl. Phys. A 879 \(2012\) 107-131.](#)
- Probing of complete and incomplete fusion dynamics in heavy ion collision

D. SINGH, **RAHBAR ALI**, M. AFZAL ANSARI, B. S. TOMAR, M. H. RASHID, R. GUIN, S. K. DAS, R. KUMAR, R. P. SINGH, S. MURALITHAR, R. K. BHOWMIK

[PARMANA- journal of physics 82 \(2014\) 683-696 No.4.](#)
- Reaction mechanism in ^{16}O - ion interaction with light nuclei ^{45}Sc , ^{74}Ge and mass-asymmetry effect on incomplete fusion dynamics.

D. Singh, M. Afzal Ansari, **Rahbar Ali**, N.P.M. Sathik, B. S. Tomar and M. Ismail

[Journal of physical society of japan 82 \(2013\) 114201.](#)
- Observation of entrance channel mass-asymmetry on incomplete fusion reaction for $^{20}\text{Ne} + ^{165}\text{Ho}$ system

D. Singh, **Rahbar Ali**, M. Afzal Ansari, B. S. Tomar, M.H. Rashid, R. Guin and S. K. Das

[Nucl. Phys. A 879 \(2012\) 107-131.](#)

- Measurement and analysis of excitation functions and observation of mass- asymmetry effects on incomplete fusion dynamics
D. Singh, **Rahbar Ali**, M. Afzal Ansari, B. S. Tomar, M.H. Rashid and R. Guin
[Eur. Phys. Jour. WC \(Italy\) 17, 16013 \(2011\).](#)
- Reaction mechanism in the $^{20}\text{Ne} + ^{59}\text{Co}$ system at 3-7 MeV/ nucleon and observation of entrance channel mass-asymmetry of the incomplete fusion fraction.
D. Singh, **R. Ali**, M. Afzal Ansari, B. S. Tomar, M. H. Rashid, R. Guin and S. K. Das
[Phys. Rev. C 83 \(2011\) 054604.](#)
- Investigation of incomplete fusion in $^{20}\text{Ne} + ^{55}\text{Mn}$ reactions at 3-8 MeV/ nucleon
Rahbar Ali, D. Singh, M. Afzal Ansari, M. H. Rashid, R. Guin and S. K. Das
[Journal of Physics G: Nucl. Part. Phys. 37 \(2010\) 115101.](#)
- Incomplete fusion dynamics by spin distribution measurements.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, B.P. Singh, Rishi K. Sinha, R. Kumar, S. Muralithar, R. P. Singh and R. K. Bhowmik
[Phys. Rev. C 81 \(2010\) 027602.](#)
- Reaction mechanism in the system $^{20}\text{Ne} + ^{165}\text{Ho}$: Measurement and analysis of forward recoil range distributions.
D. Singh, **R. Ali**, M. Afzal Ansari, M. H. Rashid, R. Guin and S. K. Das
[Phys. Rev. C 79 \(2009\) 054601.](#)
- A Study of Excitation Functions for Some Residues Produced in $^{16}\text{O} + ^{74}\text{Ge}$ System Below 7 MeV/ nucleon.
D. Singh, M. Afzal Ansari, **R. Ali**, N. P. M. Sathik and M. Ismail
[Chinese Journal of Physics Vol. 46 \(2008\) 27.](#)
- Complete and Incomplete Fusion Reactions in $^{16}\text{O} + ^{45}\text{Sc}$ System: Measurement and Analysis of Excitation Functions below 7 MeV/ nucleon.

D. Singh, M. Afzal Ansari, **R. Ali**, N. P. M. Sathik and M. Ismail

J. Phys. Soc. Jpn.75, (2006) 104201.

Publications in Conferences/ Symposia:

- Forward recoil range distribution measurements: A model independent proof for complete and incomplete fusion reaction dynamics
Suhail A. Tali, Harish Kumar, M. Afzal Ansari, **Rahbar Ali**, D. Singh, Pankaj K. Giri, Sneha B. Linda, R. Kumar, Amritraj Mahato, Nabendu Kumar Deb, S. Muralithar and R. P. Singh
[Centenary Celebration Conference on Nuclear Structure and Nuclear Reactions held at AMU Aligarh 2-4 March, 2020.](#)
- Effects of Projectile Break-up on Fusion
Rahbar Ali, D. Singh, Harish Kumar, Suhail A. Tali, M. Afzal Ansari, Rakesh Kumar, K. S. Golda, S. Muralithar, R. P. Singh and R. K. Bhowmik
[DAE-BRNS Symp. Nucl. Phys. University of Lucknow, UP \(India\), Vol. 64 \(2019\) 445.](#)
- Comprehension of break-up fusion process from linear momentum transfer measurements
Suhail A. Tali, Harish Kumar, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Pankaj K. Giri, Sneha B. Linda, R. Kumar, Asif Ali, Amritraj Mahato, Nabendu Kumar Deb, S. Muralithar and R. P. Singh
[DAE-BRNS Int. Symp. Nucl. Phys. BARC, Mumbai \(India\), Vol. 63 \(2018\) 486.](#)
- Investigation of break-up fusion process below 8 MeV/nucleon energies
Harish Kumar, Suhail A. Tali, M. Afzal Ansari, **Rahbar Ali**, D. Singh, Naseef M. P. N., R. Kumar, K. S. Golda, R. P. Singh and S. Muralithar
[DAE-BRNS Int. Symp. Nucl. Phys. BARC, Mumbai \(India\), Vol. 63 \(2018\) 506.](#)
- Projectile structure effect in low energy incomplete fusion reaction dynamics
Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, D. Singh, **Rahbar Ali**, Pankaj K. Giri, Sneha B. Linda, Siddharth Parashari, R. Kumar, S. Muralithar and R. P. Singh
[DAE-BRNS Symp. Nucl. Phys., TIET, Patiala \(India\), Vol. 62 \(2017\) 432.](#)
- Study of incomplete fusion sensitivity to projectile structure from forward recoil range distribution measurement
Harish Kumar Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Siddharth Parashari, Asif Ali,

Pankaj K. Giri, Sneha B. Linda, R. Kumar, R. P. Singh and S. Muralithar

[DAE–BRNS Symp. Nucl. Phys., TIET, Patiala \(India\), Vol. 62 \(2017\) 362.](#)

- Mass distribution of fission-like fragments formed in $^{20}\text{Ne} + ^{165}\text{Ho}$ system at $E_{\text{lab}} \approx 8.2 \text{ MeV/A}$
D. Singh, Sneha Bharti Linda, Pankaj K. Giri, Amritraj Mahato, Gulshan Kumar, Harish Kumar, M. Afzal Ansari, **Rahbar Ali**, M. H. Rashid, R. Guin and S. K. Das

[DAE–BRNS Symp. Nucl. Phys., TIET, Patiala \(India\), Vol. 62 \(2017\) 468.](#)

- Fractional momentum transfer in incomplete fusion dynamics by measurement of recoil range distributions in $^{20}\text{Ne} + ^{165}\text{Ho}$ system
D. Singh, Sneha Bharti Linda, Pankaj K. Giri, Amritraj Mahato, Sandeep Singh, Harish Kumar, M. Afzal Ansari, **Rahbar Ali**, M. H. Rashid, R. Guin, S. K. Das

[DAE–BRNS Symp. Nucl. Phys., TIET, Patiala \(India\), Vol. 62 \(2017\) 470.](#)

- Study of complete and incomplete fusion reaction dynamics using ^{13}C non alpha cluster structure projectile

Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, D. Singh, **Rahbar Ali**, Pankaj K. Giri, Sneha B. Linda, Siddharth Parashari, Rakesh Kumar, R. P. Singh and S. Muralithar

[International Conference in Nuclear Physics with Energetic Heavy Ion Beams held during 15-18 March, 2017, at PU, Chandigarh \(India\).](#)

- Systematics on Incomplete Fusion Dynamics at Energy Range 3-8 MeV/A

Rahbar Ali, D. Singh, M. Afzal Ansari, Harish Kumar, Rakesh Kumar, S. Muralithar, K. S. Golda, R. P. Singh, P. Sugathan, M. H. Rashid, R. Guin, S. K. Saha and R. K. Bhowmik.

[National Conference on Nuclear and Accelerator Physics at Centre for Applied Physics, Central University of Jharkhand, Brambe-835205, Ranchi, Abstract Book-2016, Page No. 20.](#)

Systematics on Incomplete Fusion Dynamics at low energy

Rahbar Ali, M. Afzal Ansari, Harish Kumar, D. Singh, Rakesh Kumar, S. Muralithar, K. S. Golda, R. P. Singh, P. Sugathan, M. H. Rashid, R. Guin, S. K. Saha and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, SINP, Kolkata, India. Vol. 61 \(2016\) 506.](#)

- Comprehension of Incomplete Fusion Dynamics from Excitation Function Measurements
 Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, SiddharthParashari, Pankaj K.Giri, Sneha B. Linda, D. Singh, **Rahbar Ali**, Rakesh Kumar, R. P. Singh and S. Muralithar
[DAE-BRNS Symposium on Nuclear Physics, SINP, Kolkata, India. Vol. 61 \(2016\) 366.](#)
- Effect of projectile structure on angular distribution of recoiling residues
 Siddharth Parashari, Harish Kumar, Suhail A. Tali, Asif Ali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Pankaj K.Giri, Sneha B. Linda, R. P. Singh, S. Muralithar and Rakesh Kumar
[DAE-BRNS Symposium on Nuclear Physics, SINP, Kolkata, India. Vol. 61 \(2016\) 448.](#)
- Alpha Q-value effect on incomplete fusion dynamics below 8 MeV/nucleon energies.
 Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, SiddharthParashari, Asif Ali, Kamal Kumar, N. P. M. Sathik, R. Dubey, I. Bala, Rakesh Kumar, R. P. Singh and S. Muralithar
[DAE-BRNS Symposium on Nuclear Physics, SINP, Kolkata, India. Vol. 61 \(2016\) 450.](#)
- Complete and incomplete fusion dynamics in $^{20}\text{Ne} + ^{165}\text{Ho}$ system.
 Sneha Bharti Linda, Pankaj K. Giri, D. Singh, Harish Kumar, **Rahbar Ali**, M. Afzal Ansari, M. H. Rashid, R. Guin and S. K. Das
[DAE-BRNS Symposium on Nuclear Physics, SINP, Kolkata, India. Vol. 61 \(2016\) 512.](#)
- An approach to understand incomplete fusion dynamics from recoil range distribution measurements
 Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, Siddharth Parashari, D. Singh, **Rahbar Ali**, Kamal Kumar, N. P. M. Sathik, R. Dubey, Indu Bala, Rakesh Kumar, R. P. Singh and S. Muralithar
[National Conference on Recent Trends in Nuclear Physics, held during Feb 15-16, 2016 at A.M.U., Aligarh \(India\).](#)
- Study of low-energy incomplete fusion reaction dynamics
 Suhail A. Tali, Harish Kumar, M. Afzal Ansari, Asif Ali, Siddharth Parashari, Pankaj K. Giri, Sneha B. Linda, D. Singh, **Rahbar Ali**, Rakesh Kumar, R. P. Singh and S. Muralithar
[National Conference on Nuclear and Accelerator Physics \(NCNAP-2016\), held during Oct 4-6, 2016 at CUJ, Ranchi \(India\).](#)

- **Study of break-up fusion process from forward recoil range distribution measurements**
 Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Siddharth Parashari, Asif Ali, Kamal Kumar, N. P. M. Sathik, R. Dubey, Indu Bala, Rakesh Kumar, R. P. Singh and S. Muralithar
[National Conference on Nuclear and Accelerator Physics \(NCNAP-2016\), held during October 4-6, 2016 at CUJ, Ranchi \(India\).](#)
- Investigation incomplete fusion dynamics by measurement of excitation function $^{20}\text{Ne} + ^{59}\text{Co}$ system
 D. Singh, Sneha Bharti Linda, Pankaj K. Giri, Smita Shree Shing, Harish Kumar, **Rahbar Ali**, M. Afzal Ansari, M. H. Rashid, R. Guin and S. K. Das
[DAE-BRNS Symposium on Nuclear Physics, Sri Satya Sai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 59 \(2015\) 462.](#)
- Probing of Incomplete Fusion From the Measurement of Recoil Range Distributions
 Suhail A. Tali, Harish Kumar, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Asif Ali, Siddharth Parashari, Kamal Kumar, N.P. M. Sathik, R. Duby, InduBala, Rakesh Kumar, R. P. Singh and S. Muralithar
[DAE-BRNS Symposium on Nuclear Physics, Sri Satya Sai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 60 \(2015\) 520.](#)
- Investigation of Incomplete Fusion Dynamics from the Measurement of Angular Distbriutions at $E \sim 88$ MeV.
 Siddharth Parashari, Harish Kumar, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Suhail A. Tali, Asif Ali, Kamal Kumar, N. P. M. Sathik, R. Duby, Indu Bala, R. P. Singh, S. Muralithar and Rakesh Kumar.
[DAE-BRNS Symposium on Nuclear Physics, Sri SatyaSai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 60 \(2015\) 476.](#)
- Linear momentum Transfer Effect on Incomplete Fusion Process at Energy 88 MeV.
 Harish Kumar, Siddharth Parashari, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Asif Ali, Kamal Kumar, N.P. M. Sathik, R. Duby, Indu Bala, R. P. Singh, S. Muralithar and Rakesh Kumar.
[DAE-BRNS Symposium on Nuclear Physics, Sri SatyaSai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 60 \(2015\) 474.](#)

- Probing of incomplete fusion dynamics by measurement of spin distribution in the $^{19}\text{F}+^{154}\text{Sm}$ system

D. Singh, Pankaj K. Giri, Sneha Bharti Linda, Harish Kumar, **Rahbar Ali**, R. Tripathi, N. P. M. Sathik, R. Kumar, M. Afzal Ansari, InduBala, R. P. Singh and S. Muralithar.

[DAE-BRNS Symposium on Nuclear Physics, Sri SatyaSai Institute of Higher Learning, Prashanti Nilayam, India.Vol. 60 \(2015\) 464.](#)
- Competition between Complete and Incomplete Fusion Reaction Mechanism below 8 MeV/ nucleon energies.

Asif Ali, Harish Kumar, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Suhail A. Tali, Siddharth Parashari, Kamal Kumar, N. P. M. Sathik, R. Duby, InduBala, Rakesh Kumar, R. P. Singh and S. Muralithar.

[DAE-BRNS Symposium on Nuclear Physics, Sri SatyaSai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 60 \(2015\) 554.](#)
- Incomplete fusion dynamics in $^{16}\text{O} + ^{154}\text{Sm}$ system by measurement of spin distribution,

D. Singh, Sneha B. Linda, Pankaj K. Giri, Harish Kumar, **Rahbar Ali**, R. Tripathi, N. P. M. Sathik, M. Afzal Ansari, R. Kumar, Indu Bala, S. Muralithar and R. P. Singh

[DAE-BRNS Symposium on Nuclear Physics, Sri SatyaSai Institute of Higher Learning, Prashanti Nilayam, India. Vol. 60 \(2015\) 524.](#)
- Dependence of Incomplete Fusion Reaction on Mean Input Angular Momentum

Rahbar Ali, D. Singh, Harish Kumar, M. Afzal Ansari, Rakesh Kumar, M. K. sharma, Unnati, D. P. Singh, B. P. Singh, P. D. Shidling, Dinesh Negi, S. Muralithar, R. P. Singhand R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BHU, Varanasi, India.Vol. 59 \(2014\) 534.](#)
- Mass-asymmetry effect on incomplete fusion process at energies~ 4-7 MeV/ Nulceon

Harish Kumar, M. Afzal Ansari, D. Singh, **Rahbar Ali**, Suhail A Tali, Asif Ali, Kamal Kumar, N. P. M. Sathik, R. Dubey, Indu Bala, R. P. Singh, S. Muralithar, P. Sugathan, Rakesh Kumar and N. Madhavan

[DAE-BRNS International Symposium on Nuclear Physics, BHU, Varanasi, India.Vol. 59 \(2014\)](#)

[552.](#)

- Role of critical angular momentum on incomplete fusion dynamics above coulomb barrier
D. Singh, S. Bharti Linde, Pankaj K. Giri, Harish Kumar, **Rahbar Ali**, M. Afzal Ansari and N.P.M. Sathik

[DAE-BRNS International Symposium on Nuclear Physics, BHU, Varanasi, India.Vol. 59 \(2014\)](#)

[394.](#)

- Effect of relative velocity on Incomplete Fusion Dynamics.
Rahbar Ali, D. Singh, M. Afzal Ansari, Harish Kumar, Rakesh Kumar, K. S. Golda, S.Muralithar, R. P. Singh, P. Sugathan, M. H. Rashid, R. Guin, S. K. Dasand R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BARC Mumbai, India.Vol. 58 \(2013\)](#)

[530.](#)

- Incomplete fusion dynamics in $^{19}\text{F}+^{154}\text{Sm}$ system @110MeV.
D. Singh, **Rahbar Ali**, Harish Kumar, Rahul Tripathi, N. P. M. Sathik, M. Afzal Ansari, Rakesh Kumar, S.Muralithar, InduBala, R. P.Singh and R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BARC Mumbai, India. Vol. 58](#)

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- Incomplete fusion dynamics in $^{16}\text{O}+^{154}\text{Sm}$ system by using particle gamma coincidence technique.

D. Singh, Harish Kumar, **Rahbar Ali**, Rahul Tripathi, N. P. M. Sathik, M. Afzal Ansari, Rakesh Kumar, S.Muralithar, Indu Bala, R. P.Singh and R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BARC Mumbai, India.Vol. 58 \(2013\)](#)

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- Excitation function measurement in ^{20}Ne induced reactions on ^{27}Al .
Harish Kumar, D. Singh, **Rahbar Ali**, M. H. Rashid, M. Afzal Ansari

[DAE-BRNS International Symposium on Nuclear Physics, BARC Mumbai, India.Vol. 58 \(2013\)](#)

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- Influence of Mass-Asymmetry on Incomplete Fusion

Rahbar Ali, D. Singh, M. Afzal Ansari, Harish Kumar, Rakesh Kumar, M. H. Rashid, K. S. Golda, S. Murlithar, R. P. Singh, R. Guin, S. K. Das and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, Delhi University, New Delhi, India. Vol. 57 \(2012\) 434.](#)
- Study of entrance channel mass-asymmetry effect on incomplete fusion of ^{16}O with ^{175}Lu at $E < 10\text{MeV/nucleon}$.

Harish Kumar, **R. Ali**, D. Singh, M. P. N. Naseef, M. Afzal Ansari, K. S. Golda, S. Murlithar, Rakesh Kumar, J. J. Das, R. P. Singh and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, Delhi University, New Delhi, India. Vol. 57 \(2012\) 390.](#)
- Study of incomplete fusion dynamics by using particle gamma coincidence technique for the system $^{19}\text{F} + ^{154}\text{Sm}$

D. Singh, Harish Kumar, **Rahbar Ali**, R. Tripathi, N. P. M. Sathik, M. Afzal Ansari, Rakesh Kumar, S. Murlithar, Indu Bala, R. P. Singh and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, Delhi University, New Delhi, India. Vol. 57 \(2012\) 418.](#)
- An Overview on Incomplete Fusion Dynamics at Energy 3-8MeV/ nucleon

Rahbar Ali, D. Singh, M. Afzal Ansari, R. Kumar, S. Muralithar, K. S. Golda, M. H. Rashid, R. Guin, S.K. Das and R. K. Bhowmik

[Workshop on Frontier in Gamma Ray Spectroscopy \(FIG12\) at IUAC-New Delhi 2012.](#)
- Forward recoil range distribution (FRRDs) measurement in $^{16}\text{O} + ^{156}\text{Gd}$ system at $\sim 72, 82$ and 93MeV energies.

Rahbar Ali, D. Singh, Harish Kumar, M. Afzal Ansari, K. S. Golda, S. Muralithar, D. Negi, Rakesh Kumar, P. Sugathan, R. P. Singh and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, Andhra University, Visakhapatnam, India. \(2011\).](#)

- Side-feeding intensity measurement for $^{16}\text{O} + ^{160}\text{Gd}$ system at 90 MeV energy.
Rahbar Ali, D. Singh, M. Afzal Ansari, Naseef M. P. N, H. Kumar, Rakesh Kumar, M. K. Sharma, Unnati, B. P. Singh, D. Negi, P. D. Shidling, S. Murlithar, R. P. Singh, R. Prasad and R. K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, BIT, Pilani, India. Vol. 55 \(2010\) 258.](#)
- Observation of pre-equilibrium emission particle emission in $^{16}\text{O} + ^{124}\text{Sn}$ system by measurement of yield ratio.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, B. P. Singh, R. K. Sinha, Rakesh Kumar S. Muralithar, R. P. Singh and R. K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, BIT, Pilani, India. Vol. 55 \(2010\) 344.](#)
- Fusion incompleteness in ^{16}O induced reactions with ^{175}Lu between 70-100 MeV energy.
M.P.N., Naseef, H. Kumar, **R. Ali**, M. Afzal Ansari, D. Singh, K. S. Golda, S. Murlithar, J. J. Das, R. P. Singh and R.K. Bhowmik
[DAE-BRNS International Symposium on Nuclear Physics, BIT-Pilani, India. Vol. 55 \(2010\) 346.](#)
- Investigation of incomplete fusion dynamics in $^{16}\text{O} + ^{175}\text{Lu}$ system from the measurement of recoil range distributions.
H. Kumar, M.P.N. Naseef, **R. Ali**, M. Afzal Ansari, D. Singh, K. S. Golda, S. Murlithar, Rakesh Kumar, J. J. Das, R. P. Singh and R.K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, BIT, Pilani, India. Vol. 55 \(2010\) 348.](#)
- How does projectile structure affect incomplete fusion? The case of $^{14}\text{N} + ^{169}\text{Tm}$
R. Kumar, Abhishek Yadav, Pushpendra P. Singh, Avinash Agarwal, S. Appannababu, S. Mukherjee, S. Muralithar, **R. Ali**, B. P. Singh and R. K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, BIT, Pilani, India. Vol. 55 \(2010\) 254.](#)
- Incomplete fusion studies using recoil range distribution measurement for $^{16}\text{O} + ^{156}\text{Gd}$ system at 86 MeV.
Rahbar Ali, D. Singh, M. Afzal Ansari, Naseef M. P. N., H. Kumar, K. S. Golda, S. Muralithar, Rakesh Kumar, R. P. Singh and R. K. Bhowmik.
[DAE-BRNS International Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 54 \(2009\)](#)

328.

- Incomplete fusion dynamics in $^{16}\text{O} + ^{124}\text{Sn}$ collisions.

D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, B. P. Singh, R. K. Sinha, Rakesh Kumar, S. Muralithar, R. P. Singh and R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 54 \(2009\)](#)

326.

- Excitation function measurement of $^{16}\text{O} + ^{175}\text{Lu}$ system below 6 MeV/ nucleon.

Naseef M. P. N, H. Kumar, **R. Ali**, M. Afzal Ansari, D. Singh, K. S. Golda, S. Murlithar, Rakesh Kumar, J. J. Das, R. P. Singh and R. K. Bhowmik

[DAE-BRNS International Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 54 \(2009\)](#)

330.

- Linear momentum transfer in complete and incomplete fusion of ^{16}O with ^{175}Lu : Forward recoil range distribution measurements.

H. Kumar, Naseef M. P. N, **R. Ali**, M. Afzal Ansari, D. Singh, K. S. Golda, S. Muralithar, Rakesh Kumar, J. J. Das, R. P. Singh and R. K. Bhowmik.

[DAE-BRNS International Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 54 \(2009\)](#)

332.

- Measurement and Analysis of Excitation Functions in $^{20}\text{Ne} + ^{27}\text{Al}$ System.

Dipti Pachouri, D. Singh, **R. Ali**, M. Afzal Ansari and M.H. Rashid.

[DAE-BRNS Symposium on Nuclear Physics, IIT, Roorkee, India. Vol. 53 \(2008\) 435.](#)

- Spin distribution studies of evaporation residues produced through complete and incomplete fusion in the collision of $^{16}\text{O} + ^{160}\text{Gd}$ at 90 MeV.

R. Ali, D. Singh, Dipti Pachouri, M. Afzal Ansari, Rakesh Kumar, M. K. Sharma, Unnati, Pushpendra P. Singh, B.P. Singh, P. D. Shidling, S. Muralithar, R. P. Singh and R.K. Bhowmik.

[DAE-BRNS Symposium on Nuclear Physics, IIT, Roorkee, India. Vol. 53 \(2008\) 371.](#)

- Investigation of the Residues Produced in $^{16}\text{O} + ^{156}\text{Gd}$ Reaction at Energies $\approx 4.3\text{-}6.1$ MeV/nucleon: Measurement of Excitation Functions.
R. Ali, D. Singh, Dipti Pachouri, M. Afzal Ansari, K. S. Golda, S. Murlithar, Rakesh Kumar, J. J. Das, R. P. Singh and R.K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, IIT-Roorkee, India. Vol. 53 \(2008\) 481.](#)
- Signature of the incomplete fusion reaction mechanism in ^{20}Ne -induced reactions with ^{159}Tb .
R. Ali, D. Singh, M. Afzal Ansari and M. H. Rashid
[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\) 407.](#)
- Fractional momentum transfer in incomplete fusion reaction: Measurement of recoil range distributions in $^{20}\text{Ne} + ^{159}\text{Tb}$ system.
R. Ali, D. Singh, Dipti Pachouri, M. Afzal Ansari and M. H. Rashid
[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\) 409.](#)
- Spin distribution studies for incomplete fusion reactions in $^{16}\text{O} + ^{124}\text{Sn}$ collisions.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, Unnati, B. P. Singh, R. K. Sinha, Rakesh Kumar, S. Muralithar, R. P. Singh and R. K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\) 321.](#)
- Influence of the mass asymmetry on the incomplete fusion.
D. Singh, **R. Ali**, Dipti Pachouri, M. Afzal Ansari and M. H. Rashid
[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\) 391.](#)
- Study of complete and incomplete fusion in $^{20}\text{Ne} + ^{165}\text{Ho}$ system by measurement of recoil range distributions of evaporation residues.
D. Singh, **R. Ali**, M. Afzal Ansari and M. H. Rashid
[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\)](#)

[323.](#)

- Spin distribution and feeding intensity Measurement: Disentangling of fusion and incomplete fusion dynamics at $E/A \approx 4-7$ MeV.

Pushpendra P. Singh, B. P. Singh, Unnati, M. K. Sharma, Devendra P. Singh, R. Kumar, D. Singh, **R. Ali**, P. D. Shidling, D. Negi, R. P. Singh, S. Muralithar, H. D. Bhardwaj, M. Afzal Ansari, R. Prasad and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, Sambalpur University, Burla, India. Vol. 52 \(2007\)](#)

[327.](#)

- Complete and Incomplete Fusion Reactions: Measurement and Analysis of Excitation Functions in $^{20}\text{Ne} + ^{165}\text{Ho}$ System.

D. Singh, **R. Ali**, M. Afzal Ansari and M. H. Rashid

[DAE-BRNS Symposium on Nuclear Physics, M S, University, Vadodara, India. Vol. 51 \(2006\)](#)

[357.](#)

- Study of Incomplete Fusion Reaction of ^{16}O -ion Beam with ^{124}Sn using Particle-Gamma Coincidence Technique.

D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, Unnati, B. P. Singh, R. K. Sinha, Rakesh Kumar, S. Muralithar, R. P. Singh and R. K. Bhowmik

[DAE-BRNS Symposium on Nuclear Physics, M. S. University, Baroda, India. Vol. 51 \(2006\) 439.](#)

- Search of fission products in ^{20}Ne -ion beam interaction with ^{165}Ho at 8 MeV/nucleon.

D. Singh, **R. Ali**, M. Afzal Ansari and M. H. Rashid

[DAE-BRNS Symposium on Nuclear Physics, M.S. University Baroda, India. Vol. 51 \(2006\) 445.](#)

- Complete and Incomplete Fusion Study of $^{20}\text{Ne} + ^{55}\text{Mn}$ System by Excitation Function Measurement.

R. Ali, D. Singh, M. H. Rashid and M. Afzal Ansari

[DAE-BRNS Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 50 \(2005\) 320.](#)

- Recoil Range Distribution of Evaporation Residues in $^{20}\text{Ne} + ^{165}\text{Ho}$ System.
D. Singh, **R. Ali**, M. Afzal Ansari and M. H. Rashid
[DAE-BRNS Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 50 \(2005\) 328.](#)
- Particle-Gamma Coincidence Measurements for the Study of Complete and Incomplete Fusion Reactions.
D. Singh, **R. Ali**, M. Afzal Ansari, N. P. M. Sathik, Ajay K. Tyagi, K. S. Golda, Pankaj Kumar, P. Sugathan, S. Muralithar, and R. K. Bhowmik
[DAE-BRNS Symposium on Nuclear Physics, BARC, Mumbai, India Vol. 50 \(2005\) 338.](#)
- Study of Complete and Incomplete Fusion in $^{20}\text{Ne} + ^{59}\text{Co}$ System.
D. Singh, **R. Ali**, M. H. Rashid and M. Afzal Ansari
[DAE-BRNS Symposium on Nuclear Physics, BHU, Varanasi, India. Vol. 47B \(2004\) 248.](#)
- Reaction Mechanism Study in ^{20}Ne -induced Reactions with ^{124}Sn by Excitation Function Measurement.
D. Singh, **R. Ali**, M. H. Rashid and M. Afzal Ansari
[DAE-BRNS Symposium on Nuclear Physics, BHU, Varanasi, India. Vol. 47B \(2004\) 278.](#)
- Study of $^{16}\text{O} + ^{45}\text{Sc}$ System below 7 MeV/nucleon.
D. Singh, G. N. Dar, **R. Ali**, N. P. M. Sathik, M. Ismail and M. Afzal Ansari.
[DAE-BRNS Symposium on Nuclear Physics, BARC, Mumbai, India. Vol. 46B \(2003\) 218.](#)

Papers in technical reports

- Spin Distribution Studies of evaporation studies produced through complete and incomplete fusion in the collision of $^{16}\text{O} + ^{160}\text{Gd}$ @ 90 MeV.
R. Ali, D. Singh, Dipti Pachouri, M. Afzal Ansari, M.K.Sharma, Unnati, P. P. Singh, D. P. Singh, P.D. Shidling, B.P. Singh, Rakesh Kumar, R. P. Singh, S. Murlithar, M. A. Ansari, H.D. Bhardwaj, R. Prasad and R. K. Bhowmik.
[IUAC Annual Report \(2007-2008\) 127.](#)
- Incomplete fusion dynamics in $^{16}\text{O} + ^{124}\text{Sn}$ system by spin distribution measurement.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, Pushpendra P. Singh, Manoj K Sharma, B. P. Singh, R. K. Sinha, Rakesh Kumar S. Muralithar, R. P. Singh and R. K. Bhowmik
[IUAC Annual Report \(2009-2010\) 128.](#)
- Observation of pre-equilibrium particle emission by measurement of yield ratio.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, Pushpendra P. Singh, Manoj K Sharma, B. P. Singh, R. K. Sinha, Rakesh Kumar S. Muralithar, R. P. Singh and R. K. Bhowmik
[IUAC Annual Report \(2009-2010\) 131.](#)
- Study of complete and incomplete fusion dynamics in $^{16}\text{O} + ^{124}\text{Sn}$ system at 6.3 MeV/ nucleon energy by measurement of spin distributions.
D. Singh, **R. Ali**, M. Afzal Ansari, K. Surendra Babu, P. P. Singh, M. K. Sharma, Unnati, B. P. Singh, R. K. Sinha, Rakesh Kumar S.Muralithar, R. P. Singh and R. K. Bhowmik
[IUAC Annual Report \(2007-2008\) 121.](#)
- Disentangling of complete and incomplete fusion: Spin distribution measurement at 4-7 MeV/ nuc.
P.P. Singh, B.P. Singh, Unnati, M.K.Sharma, D. P. Singh, R. Kumar, P.D. Shidling, D. Singh, Abhishek Yadav, **R. Ali**, R. P. Singh, S. Murlithar, M. AfzalAnsari, H. D. Bhardwaj, R. Prasad and R. K. Bhowmik
[IUAC Annual Report \(2007-2008\) 135.](#)
- Spin distribution studies at $E/A \approx 4-7$ MeV: a sensitive probe for incomplete fusion dynamics.
P.P. Singh, B.P. Singh, Unnati, M.K.Sharma, D. P. Singh, R. Kumar, P.D. Shidling, D. Singh, J.K. Rana, P. S. Rao, **R. Ali**, R. P. Singh, S. Murlithar, M.Afzal Ansari, H. D. Bhardwaj, R. Prasad and R. K Bhowmik
[IUAC Annual Report \(2006-2007\) 135.](#)

LISTOF MEETINGS ATTENDED AND PRESENTED RESEARCH PAPERS

- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Department of Physics, Banaras Hindu University, Varanasi during Dec. 6-10, 2004.
- Participated in the “**Workshop on HPC in Physics Application & Computing Requirements**” Inter University Accelerator Centre, New Delhi, India during March 10, 2007.
- Participated in the “**Workshop on Indian National Gamma Rays Detectors Array**” Inter University Accelerator Centre, New Delhi, India on August 31, 2007.
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Department of Physics, **Sambalpur University, Sambalpur, Burla Orissa**, India, during Dec. 11-15, 2007.
- Participated in workshop On “**Nuclear Physics with Beam Hall-II Facility**” at Inter- University Accelerator Centre, New Delhi, India During Aug. 30-31, 2007.
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Department of Physics, **Indian Institute of Technology (IIT), Roorkee, Uttarakhand**, India, during Dec. 22-26, 2008.
- Participated in DAE-BRNS “**Workshop on Hadron Physics**” Aligarh Muslim University, Aligarh- India, During Dec. 18 - 23, 2008.
- Participated in National Science day Celebrations and presented orally a paper entitled “**Study of Heavy Ion Induced Reaction Mechanism below 10 MeV/ nucleon**” at Aligarh Muslim University, Aligarh- India, During Dec. 2008.
- Participated in National Science Day Celebrations and orally presented a paper entitled “**Study of heavy ion induced reaction mechanism below 10 MeV/nucleon**” at Aligarh Muslim University, Aligarh, India during Feb. 2008.
- Participated in DAE-BRNS **International Symposium on Nuclear Physics, BARC-Mumbai**, India During Dec-8-12, 2009.

- Participated in Seminar on **“Contemporary trends on Nuclear Physics”** Aligarh Muslim University, Aligarh- India, During Oct. 20 - 21, 2010.
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Birla Institute of technology and Science, Pilani, India, During Dec. 20-24, 2010.
- Participated in workshop **On Nuclear Physics Using LINAC Booster** at Inter- University Accelerator Centre, New Delhi, India during Jan. 21-22, 2010.
- Participated in International Conference on **“Frontier in Gamma Spectroscopy –FIG12** at Inter- University Accelerator Centre, New Delhi, India during March05-07, 2012.
- Participated in **“Acquaintance Programme on Ion Beam Facilities”** at IUAC, New Delhi Organized by Bareilly College Bareilly on March 23, 2012.
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Delhi University, New Delhi, India, During Dec. 3-7, 2012.
- Participated in National Seminar on “Ion beam based research in India and acquaintance programme on ion beam facilities” at IUAC-New Delhi, During March 23, 2012.
- Participated in DAE-BRNS **International Symposium on Nuclear Physics, Bhabha Research Atomic Centre, Mumbai**, India, During Dec. 2-6, 2013.
- Participated in **workshop on Nuclear Physics, UGC-DAE Consortium Scientific Research Centre** at Jadavpur University, Kolkata, during July 30-31, 2013.
- Participated in Accelerator User Workshop and Presented BTR-1 Proposal entitled “Disentangling the incomplete fusion dynamics in heavy ion induced reaction at 3-8 MeV/A” at IUAC-New Delhi, During December 17 to 18, 2013.
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Banaras Hindu University, Varanasi, India, During Dec. 8-12, 2014.
- Participated in workshop on “Recent trends in nuclear physics”, IUAC-New Delhi, India, During September 14 to 15, 2015.

- Participated in National Conference on Nuclear and Accelerator Physics (NCNAP-2016) Organized by Centre for Applied Physics, Central University of Jharkhand, Brambe, Ranchi - 835205, India During October 4-6, 2016.
- Participated in Workshop on “**Capacity Building for IQAC in Higher Education**” Organized by Dept. of Higher Education Govt. of Uttar Pradesh & U.P. State Council of Higher Education at Dr. Ram Manohar Lohiya National University, Lucknow, During March 25, 2017.
- International Conference On “**Nuclear, Particle and Accelerator Physics (ICNPAP-2018)**” Centre for Applied Physics, Central University of Jharkhand, Brambe, Ranchi- 835205, India During October 23-26, 2018
- Participated in DAE-BRNS **Symposium on Nuclear Physics**, Lucknow University-Lucknow, India, During Dec. 23-27, 2019.
- Centenary Celebration Conference on “**Nuclear Structure and Nuclear Reactions**” Organized by Department of Physics, Aligarh Muslim University-Aligarh During 2-4, 2020.

SKILLS

Programming Languages: C, Fortran

Operating System: Linux, Ms Dos, Window

Language: English (Fluent)

Miscellaneous: Strong verbal and written communication skills