

CURRICULUM VITAE

Kamal Kumar

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Department of Physics
Hindu College, Moradabad (U.P.)
244001



Career Objectives:

- ◆ To learn and explore new ideas and to work as a successful and innovative academician.
- ◆ To be a part of a well reputed organization where initiative, hard work and learning through constructive criticism is always promoted.

Academic Qualifications:

- ◆ **Ph.D. (*Experimental Nuclear Physics*)** from *Aligarh Muslim University, Aligarh* (U. P.) in 2016.
- ◆ **M. Phil. (*Experimental Nuclear Physics*)** from *Aligarh Muslim University, Aligarh* (U. P.) in 2010 with **1st Div (73% Marks)**.
- ◆ **M.Sc. (*Physics*)** from *Aligarh Muslim University, Aligarh* (U. P.) in 2007 with **1st Div (66.8% Marks)**.
- ◆ **B.Sc. (*P.C.M.*)** from *M. J. P. Rohilkhand University, Bareilly* (U. P.) in 2005 with **1st Div. (68.74% Marks)**.
- ◆ **Intermediate** from *U.P. Board, Allahabad* in 2002 with **1st Div. (71.6% Marks)**.
- ◆ **High School** from *U.P. Board, Allahabad* in 2000 with **1st Div. (68.50% Marks)**.

National Level Test Qualified:

- ◆ **National Eligibility Test (UGC-JRF) Dec., 2009.**
- ◆ **General Aptitude Test of Engineering (GATE-2010) (AIR-218, Score-464).**
- ◆ **Joint Entrance Screening Test (JEST-2009) (Percentile-90.99).**

Current Position:

Working as Assistant Professor.

Research Field:

- ◆ Experimental Nuclear Physics.

Research Topic:

Study of Reaction Mechanism in some natural elements using heavy ion beams at 7 MeV/nucleon.

Research Supervisor:

- ◆ **Prof. I. A. Rizvi**, Department of Physics, A. M. U., Aligarh.

Teaching Experience:

- ◆ Two year teaching experience at UG and PG level.
- ◆ 5 years experience of UG and PG level laboratories at A. M. U. Aligarh.

Research Experience:

- ◆ 6 years experience as a fulltime Research Scholar at Department of Physics, Aligarh Muslim University, Aligarh (U. P.). 3 years research experience after Ph.D.

Papers published in International/National Journals:

1. Sabir Ali, **Kamal Kumar**, Muntazir Gull, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal, A. K. Chaubey and S. S. Ghugre “Systematic of fusion incompleteness in reactions induced by α cluster projectile” *Physical Review C*, vol.100, pp.064607-10, 19 December, 2019.
2. Muntazir Gull, **Kamal Kumar**, Sabir Ali, I. A. Rizvi, S. Dutt, S. Prajapati, M. Kumar, Avinash Agarwal, A. Yadav and R. Kumar “Systematic study of incomplete fusion reactions: Role of various entrance channel parameters” *Indian Journal of Pure and Applied Physics*, vol. 58, april 2020, pp.-263-266.
3. Munish Kumar, Avinash Agarwal, Sunil Prajapati, **Kamal Kumar**, Sunil Dutt, I. A. Rizvi, R. Kumar and A. K. Chaubey “Influence of projectile structure and target deformation on incomplete fusion in the $^{16}\text{O} + ^{51}\text{V}$ system” *Physical Review C*, vol.100, pp.034616-10, 19 September, 2019.
4. Muntazir Gull, **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, Sunil Dutt, I. A. Rizvi, Avinash Agarwal and R. Kumar “Incomplete fusion in $^{16}\text{O} + ^{89}\text{Y}$ reactions at energies of ≈ 7 MeV/nucleon” *Physical Review C*, vol. **98**, pp. 034603-10, 05 September, 2018.
5. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, Muntazir Gull, I. A. Rizvi, Avinash Agarwal, S. S. Ghugre, A. K. Sinha and A. K. Chaubey “Role of partial linear momentum transfer on incomplete fusion reaction” *Eur. Phys. J. A.*, vol. **54**, pp. 56, 16 April, 2018.
6. Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, Rahbar Ali, **Kamal Kumar**, N. P. M. Sathik, Asif Ali, Siddhartha Parashari, R. Dubey, Indu Bala, R. Kumar, R. P. Singh and S. Muralithar “Sensitivity of low-energy incomplete fusion to various entrance-channel parameters” *Eur. Phys. J. A.*, vol. **54**, pp. 47, 26 March, 2017.

7. Harish Kumar, Suhail A. Tali, M. Afzal Ansari, D. Singh, Rahbar Ali, **Kamal Kumar**, N. P. M. Sathik, Siddhartha Parashari, Asif Ali, R. Dubey, Indu Bala, Rakesh Kumar, R. P. Singh and S. Muralithar “Investigation of incomplete fusion dynamics at energy 4-8 MeV/nucleon” Nuclear Physics A, vol. **960**, pp.53-77, 27 January, 2017.
8. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I. A. Rizvi, Avinash Agarwal, S. S. Ghugre, A. K. Sinha, and A.K. Chaubey “Effect of projectile break-up threshold energy on incomplete fusion at energy $\approx 4-7$ MeV/nucleon” Journal of Modern Physics, vol. **5**, pp.2063-2074, 7 December, 2014.
9. **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, I. A. Rizvi, Avinash Agarwal, R. Kumar and A. K. Chaubey “Role of incomplete fusion of the projectile in $^{16}\text{O} + ^{115}\text{In}$ interaction at low energies” Physical Review C, vol. **89**, pp.054614-8, May 2014.
10. **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, I. A. Rizvi, Avinash Agarwal, R. Kumar, and A. K. Chaubey “Influence of projectile breakup on $^{16}\text{O} + ^{115}\text{In}$ reaction at energies $\approx 4-7$ MeV/ nucleon” Physical Review C, vol. **88**, pp.064613-9, December 2013.
11. **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, I. A. Rizvi, Avinash Agarwal, R. Kumar, K. S. Golda, and A. K. Chaubey “Low energy incomplete fusion and its sensitivity to projectile structure” Physical Review C, vol. **87**, pp.044608-9, April 2013.
12. I.A. Rizvi, **Kamal Kumar**, T. Ahmad, A. Agarwal and A. K. Chaubey “Energy dependence of pre-equilibrium emission for the (p,xn) reactions in niobium” Indian Journal of Physics, vol. **86**, pp. 913-918, October 2012.

Papers published in International/National Symposia Proceedings: **International Conferences**

1. Muntazir Gull, **Kamal Kumar**, Sabir Ali, Sunil Dutt, Sunil Prajapati, Munish Kumar, Avinash Agarwal, Abhishek Yadav, R. Kumar and I. A. Rizvi, “Study of fusion incompleteness $^{13}\text{C} + ^{165}\text{Ho}$ from excitation function measurements at energies $\approx 3-7$ MeV/nucleon” in proceedings of DAE Symposium on Nuclear Physics, BARC Mumbai (India) vol. 63, pp.426-427, December 10-14, 2018.
2. Munish Kumar, Avinash Agarwal, Sunil Dutt, **Kamal Kumar**, R. Kumar, I. A. Rizvi, Abhishek Yadav, Muntazir Gull, Sabir Ali and A. K. Chaubey “ Effect of entrance channel parameters on incomplete fusion reaction dynamics at low energies” DAE Symposium on Nuclear Physics, BARC Mumbai (India) vol. 63, pp.606-607, December 10-14, 2018.
3. Sunil Dutt, Avinash Agarwal, Munish Kumar, **Kamal Kumar**, I. A. Rizvi, R. Kumar, and A.K. Chaubey “Study of complete and incomplete fusion reaction dynamics in $^{16}\text{O} + ^{55}\text{Mn}$ interactions near the coulomb barrier energies” in JPS Conf. Proc. 6, 030081, September 2015.
4. **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal, Rakesh Kumar, and A.K. Chaubey “Low energy complete fusion: observations of a significant incomplete fusion at $\ell < \ell_{\text{crit}}$ ” in EPJ Web of Conferences 86, 0011 , January 2015.
5. Sunil Dutt, Avinash Agarwal, Munish Kumar, **Kamal Kumar**, I. A. Rizvi, R. Kumar, and A.K. Chaubey “Complete and incomplete fusion reactions in the interactions of $^{16}\text{O} + ^{55}\text{Mn}$ system below 7 MeV/A; Measurement and analysis of excitation functions” in EPJ Web of Conferences 86, 009 , January 2015.
6. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I. A. Rizvi, Avinash Agarwal, S.S. Ghugre, A.K. Sinha, and A.K. Chaubey “Investigation of complete and incomplete fusion in $^{20}\text{Ne} + ^{51}\text{V}$ system using recoil range measurement” in EPJ Web of Conferences 86, 0002, January 2015.
7. **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal and A.K. Chaubey “Role

of entrance channel parameters on incomplete fusion reaction dynamics” in Proceedings of the International Symposium on Nuclear Physics, BARC Mumbai (India) vol. 58, pp.406-407, December, 2-6, 2013.

8. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I. A. Rizvi, Avinash Agarwal S. S. Ghugre, A. K. Sinha, and A.K. Chaubey “Evidence of partial linear momentum transfer in $^{20}\text{Ne}+^{51}\text{V}$ system at energy 7MeV/nucleon” in Proceedings of the International Symposium on Nuclear Physics, BARC Mumbai (India) vol. 58, pp.464-465, December, 2-6, 2013.
9. Sabir Ali, **Kamal Kumar**, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal and A.K. Chaubey “Systematics of incomplete fusion probability and its correlation with complete fusion suppression” in AIP Conference Proceedings 1524, pp.178-181, 2013.
10. **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal and A.K. Chaubey “Effect of projectile break-up on incomplete fusion reaction dynamics” in AIP Conference Proceedings 1524, pp.182-185, 2013.
11. Avinash Agarwal, Suneel Dutt, Anjali Sharma, I. A. Rizvi, **Kamal Kumar**, Sabir Ali, T. Ahmad, Rakesh Kumar and A. K. Chaubey “Investigation of the influence of incomplete fusion on complete fusion of ^{16}O - induced reactions at moderate excitation energies.” EPJ Web of Conferences 38, 17001-4 (2012).

National Conferences

1. Avinash Agarwal, Anuj Kumar Jaiswal, Munish Kumar, Sunil Dutt, **Kamal Kumar**, R. Kumar, I. Ahmad, S. Kumar, M. Sachdeva, I. A. Rizvi and A.K. Chaubey “Low energy heavy ion reactions: Incomplete fusion Vs Complete fusion” in Proceedings of the DAE Symposium on Nuclear Physics, Lucknow university (Lucknow), vol. 64, pp.457-458, December 23-27, 2019.
2. Muntazir Gull, **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, Sunil Dutt, I. A. Rizvi, Avinash Agarwal, and R. Kumar and A. K. Chaubey “Effect of two neutron excessprojectile on low energy incomplete fusion dynamics” in Proceedings of the DAE Symposium on Nuclear Physics, Thapar University Patiyala, vol. 62, pp.442-443, December 20-24, 2017.
3. Muntazir Gull, **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, Sunil Dutt, I. A. Rizvi, Avinash Agarwal, and R. Kumar and A. K. Chaubey “Effect of two neutron excessprojectile on low energy incomplete fusion dynamics” in Proceedings of the DAE Symposium on Nuclear Physics, Thapar University Patiyala, vol. 62, pp.442-443, December 20-24, 2017.
4. Munish Kumar, **Avinash Agarwal**, **S. Prajapati**, **Sunil Dutt**, **Kamal Kumar**, R. Kumar, I. A. Rizvi, Abhishek Yadav, M. Gull, S. Ali and A. K. Chaubey “Effect of projectile structure on incomplete fusion reaction dynamics for vanadium” in Proceedings of the DAE Symposium on Nuclear Physics, Thapar University Patiyala, vol. 62, pp.654-655, December 20-24, 2017.
5. 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, R. P. Singh, S. Muralithar, and Rakesh Kumar “Alpha Q-value effect on on incomplete fusion reaction dynamics below 8 MeV/nucleon energies” in Proceedings of the DAE Symposium on Nuclear Physics, SINP (Kolkata), vol. 61, pp.450-451, December 05-09, 2016.
6. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, Muntazir Gull, I. A. Rizvi, Sunil Dutt, Avinash Agarwal, A. K. Sinha and A.K. Chaubey “Fusion incompleteness in reaction induced by ^{20}Ne at

energy $\approx 4-7$ MeV/A” in Proceedings of the DAE Symposium on Nuclear Physics, SINP (Kolkata), vol. 61, pp.540-541, December 05-09, 2016.

7. Muntazir Gull, **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, Sunil Dutt, I. A. Rizvi, Avinash Agarwal, R. Kumar and A.K. Chaubey “Investigation complete and incomplete fusion by recoil range distribution measurements ≈ 105 MeV” in Proceedings of the DAE Symposium on Nuclear Physics, SINP (Kolkata), vol. 61, pp.566-567, December 05-09, 2016.
8. Avinash Agarwal, Munish Kumar, Sunil Dutt, **Kamal Kumar**, R. Kumar, I. A. Rizvi, Abhishek Yadav, Muntazir Gull, Sabir Ali, and A.K. Chaubey “Measurement and analysis of some excitation functions in heavy induced reactions: A case of $^{18}\text{O} + ^{51}\text{V}$ system Investigation complete and incomplete fusion by recoil range distribution measurements ≈ 105 MeV” in Proceedings of the DAE Symposium on Nuclear Physics, SINP (Kolkata), vol. 61, pp.642-643, December 05-09, 2016.
9. Harish Kumar, Siddharth Parashari, 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, and Rakesh Kumar “Linear momentum transfer effect on incomplete fusion process at energy ≈ 88 MeV” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.474-475, December 07-11, 2015.
10. Siddharth Parashari, 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, and Rakesh Kumar “Investigation of incomplete fusion dynamics from the measurement of angular distributions at $E \approx 88$ MeV” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.476-477, December 07-11, 2015.
11. Suhail A. Tali, Harish Kumar, M. Afzal Ansari, D. Singh, Rahbar Ali, Asif Ali, Siddharth Parashari, **Kamal Kumar**, N. P. M. Sathik, R. Dubey, Indu Bala, Rakesh kumar, R. P. Singh and S. Muralithar “Probing of incomplete fusion from the measurement of recoil range distributions” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.520-521, December 07-11, 2015.
12. Asif Ali, Harish Kumar, M. Afzal Ansari, D. Singh, Rahbar Ali, Suhail A. Tali, Siddharth Parashari, **Kamal Kumar**, N. P. M. Sathik, R. Dubey, Indu Bala, Rakesh kumar, R. P. Singh and S. Muralithar “Competition between complete and incomplete fusion reaction mechanism below 8 MeV/nucleon energies” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.554-555, December 07-11, 2015.
13. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I. A. Rizvi, Sunil Dutt, Avinash Agarwal, S. S. Ghugre, A. K. Sinha and A.K. Chaubey “Dependence of incomplete fusion reaction on projectile structure” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.582-583, December 07-11, 2015.
14. Munish Kumar, Avinash Agarwal, S. Prajapati, Sunil Dutt, **Kamal Kumar**, R. Kumar, I. A. Rizvi and A.K. Chaubey “Effect of entrance channel $^{16}\text{O} + ^{51}\text{V}$ interactions” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.612-613, December 07-11, 2015.
15. Avinash Agarwal, Munish Kumar, S. Prajapati, Sunil Dutt, R. Kumar, **Kamal Kumar**, I. A. Rizvi and A.K. Chaubey “Mass-asymmetry effects in heavy ion incomplete fusion reactions” in Proceedings of the DAE Symposium on Nuclear Physics, Prasanthi Nilayam, vol. 60, pp.616-617, December 07-11, 2015.

16. **Kamal Kumar**, Sunil Dutt, Sabir Ali, Tauseef Ahmad, I. A. Rizvi, Avinash Agarwal and A.K. Chaubey “Large Influence of fusion incompleteness in incomplete fusion reaction dynamics at low energies” in Proceedings of the National Symposium on Nuclear Physics, BHU (Varanasi) vol. **59**, pp.414-415, December, 7-12, 2014.
17. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I. A. Rizvi, Sunil Dutt, Avinash Agarwal S. S. Ghugre, A. K. Sinha, and A.K. Chaubey “Study of complete and incomplete fusion reactions at near and above the barrier energy” in Proceedings of the National Symposium on Nuclear Physics, BHU (Varanasi) vol. **59**, pp.480-481, December, 7-12, 2014.
18. 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 “Mass-asymmetry effects on incomplete fusion process at energies $\approx 4-7$ MeV/nucleon” in Proceedings of the National Symposium on Nuclear Physics, BHU (Varanasi) vol. **59**, pp.552-553, December, 7-12, 2014.
19. Sunil Dutt, Avinash Agarwal, Munish Kumar, **Kamal Kumar**, I. A. Rizvi, R. Kumar, and A.K. Chaubey “Study of some entrance channel effects in $^{16}\text{O} + ^{55}\text{Mn}$ interactions” in Proceedings of the National Symposium on Nuclear Physics, BHU (Varanasi) vol. **59**, pp.558-559, December, 7-12, 2014.
20. **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, I.A. Rizvi, Avinash Agarwal, Rakesh Kumar, K.S. Golda and A.K. Chaubey “Influence of incomplete fusion on complete fusion in $^{16}\text{O} + ^{115}\text{In}$ interaction” in Proceedings of the DAE Symposium on Nuclear Physics, University of Delhi, Delhi, vol. 57, pp.514-515, December 03-07, 2012.
21. **Kamal Kumar**, Sabir Ali, Tauseef Ahmad, I.A. Rizvi, Avinash Agarwal and A.K. Chaubey “Effect of projectile structure on incomplete fusion reaction dynamics” in Proceedings of the DAE Symposium on Nuclear Physics, University of Delhi, Delhi, vol. 57, pp.516-517, December 03-07, 2012.
22. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I.A. Rizvi, Avinash Agarwal and A.K. Chaubey “Study of incomplete fusion probability induced by ^{20}Ne on different targets” in Proceedings of the DAE Symposium on Nuclear Physics, University of Delhi, Delhi, vol. 57, pp.538-539, December 03-07, 2012.
23. Sabir Ali, **Kamal Kumar**, Tauseef Ahmad, I.A. Rizvi, Avinash Agarwal and A.K. Chaubey “Fusion and break-up cross section of alpha cluster projectiles on ^{51}V target” in Proceedings of the DAE Symposium on Nuclear Physics, University of Delhi, Delhi, vol. 57, pp.540-541, December 03-07, 2012.
24. **Kamal Kumar**, Tauseef Ahmad, Sabir Ali, I.A. Rizvi, Avinash Agarwal, Rakesh Kumar, K.S. Golda and A.K. Chaubey “Study of reaction dynamics in $^{16}\text{O} + ^{115}\text{In}$ system using recoil range distribution” in Proceedings of the DAE Symposium on Nuclear Physics, Andhra University, Visakhapatnam, vol. 56, pp.462-463, December 26- 30, 2011.
25. Sabir Ali, Tauseef Ahmad, **Kamal Kumar**, I.A. Rizvi, Avinash Agrawal, S.S. Ghugre, A.K. Sinha and A.K. Chaubey “Investigation of the role of break up processes in the fusion of the $^{20}\text{Ne} + ^{51}\text{V}$ system” in Proceedings of the DAE Symposium on Nuclear Physics, Andhra University, Visakhapatnam, vol. 56, pp.588-589, December 26-30, 2011.
26. I.A. Rizvi, **Kamal Kumar**, Tauseef Ahmad, Avinash Agarwal and A.K. Chaubey “Excitation function studies of proton induced reactions for niobium and pre-equilibrium effect” in Proceedings of the DAE Symposium on Nuclear Physics, BITS, Pilani, vol. 55, pp.340-341, December 20-24, 2010
27. **Kamal Kumar**, Tauseef Ahmad, I.A. Rizvi, Avinash Agarwal, K.S. Golda, R.Kumar and A.K.

Chaubey “Study of reaction mechanism in $^{16}\text{O} + ^{165}\text{Ho}$ system below 7 MeV/nucleon” in Proceedings of the DAE Symposium on Nuclear Physics, BITS, Pilani, vol. 55, pp.338-339, December 20-24, 2010.

Poster/Paper Presented:

1. Participated In a paper presentation on the topic “**Large Influence of fusion incompleteness in incomplete fusion reaction dynamics at low energies**” in DAE Symposium on Nuclear Physics during December, 07-12, 2014, organized by Banaras Hindu University, Varanasi, Uttar Pradesh.
2. Participated In a paper presentation on the topic “**Low energy complete fusion: observations of a significant incomplete fusion at $\ell < \ell_{\text{crit}}$** ” in VI international conference Fusion-14 during February, 24-28, 2014, organized by Inter University Accelerator Centre, New Delhi, India.
3. Participated In a paper presentation on the topic “**Role of entrance channel parameters on incomplete fusion reaction dynamics**” in international DAE Symposium on Nuclear Physics during December, 02-06, 2013, organized by BARC, Mumbai, Maharashtra.
4. Participated In a paper presentation on the topic “**Influence of incomplete fusion on complete fusion in $^{16}\text{O} + ^{115}\text{In}$ interaction**” in DAE Symposium on Nuclear Physics during December, 03-07, 2012, organized by University of Delhi, Delhi.
5. Participated In a paper presentation on the topic “**Effect of projectile structure on incomplete fusion reaction dynamics**” in DAE Symposium on Nuclear Physics during December, 03-07, 2012, organized by University of Delhi, Delhi.
6. Participated In a paper presentation on the topic “**Effect of projectile break-up on incomplete fusion reaction dynamics**” in international conference on recent trends in nuclear physics during November, 19-21, 2012, organized by Chitkara University, Solan, Himanchal Pradesh.
7. Participated In a paper presentation on the topic “**Study of reaction dynamics in $^{16}\text{O} + ^{115}\text{In}$ system using recoil range distribution**” in DAE Symposium on Nuclear Physics during December, 26-30, 2011, organized by Andhra University, Visakhapatnam, Andhra Pradesh.
8. Participated In a paper presentation on the topic “**Study of reaction mechanism in $^{16}\text{O} + ^{165}\text{Ho}$ system below 7 MeV/nucleon**” in DAE Symposium on Nuclear Physics during December, 20-24, 2010, organized by BITS, Pilani, Rajasthan.

Workshops and Seminars:

1. Participated in the international E-Conference entitled “**Emerging Advances in Mathematical and Physical Sciences**” on June 28-30, 2020, organized by Department of Physics, Hindu College Moradabad, Uttar Pradesh.
2. Participated in the national webinar entitled “**Role Science and Technology in Present Scenario: A sustainable development of the nation**” on May 31, 2020, organized by Department of Physics, Bareilly College Bareilly, Uttar Pradesh.
3. Participated in the national webinar entitled “**Recent Advances in Spectroscopy-2020**” on May 22, 2020, organized by Department of Physics, Khandelwal College of Management Science and Technology, Bareilly, Uttar Pradesh.

4. Participated in the national webinar entitled “**The Reverse Migration in Covid-19 Pandemic Period: Nontraditional Security Threats and Challenges of India**” on May 20, 2020, organized by Department of Defense studies, Hindu College Moradabad, Uttar Pradesh.
5. Participated in the national seminar entitled “**Need and Challenges of Intellectual Property Rights**” on September 30, 2019, organized by IPRC & IQAC, Hindu College Moradabad, and IQAC, IFTM University Moradabad, Uttar Pradesh.
6. Participated in the “**DAE Symposium on Nuclear Physics**” during December 07-12, 2014, organized by Banaras Hindu University, Varanasi, Uttar Pradesh.
7. Participated in the “**VI international conference Fusion-14**” during February, 24-28, 2014, organized by Inter University Accelerator Centre, New Delhi, India.
8. Participated in the “**International DAE Symposium on Nuclear Physics**” during December, 02-06, 2013, BARC Mumbai (India).
9. Participated in the “**DAE Symposium on Nuclear Physics**” during December 03-07, 2012, organized by University of Delhi, Delhi, India.
10. Participated in the “**International conference on Recent Trends in Nuclear Physics**” during November 19-21, 2012, organized by Chitkara University, Solan, Himanchal Pradesh.
11. Participated in the “**Frontiers of Nuclear and Particle Physics**” during March 19-20, 2012, organized by Department of Physics, AMU, Aligarh, Uttar Pradesh.
12. Participated in the “**DAE Symposium on Nuclear Physics**” during December 26-30, 2011, organized by Andhra University, Visakhapatnam, Andhra Pradesh.
13. Participated in “**National Workshop on Nuclear Physics Using Ion Beams from Cyclotron**” during Aug. 24-26, 2011, organized by VECC, Kolkata, West Bengal.
14. Participated in “**DAE Symposium on Nuclear Physics**” during December 20-24, 2010 organized by BITS, Pilani, Rajasthan.
15. Participated in “**National Seminar on Contemporary Trends in Nuclear Physics**” during October 20-21, 2010 organized by Department of Physics, AMU, Aligarh, Uttar Pradesh.
16. Participated in the “**National Seminar on Frontiers of Condensed Matter Physics**” on March 27, 2010 organized by the Department of Physics, AMU, Aligarh, Uttar Pradesh.
17. Participated in the “**National Theme Workshop on Nuclear Reaction Mechanism (NTWNRM-2010)**” during March 17-19, 2010 organized by Department of Physics, Centre of Advanced Study in Physics, Punjab University, Chandigarh, Punjab.
18. Participated in the “**School cum Workshop on Nuclear Yrast and Near Yrast States**” during October 26-30, 2009, organized by Department of Physics, IIT Roorkee, Roorkee, Uttarakhand.

Course Works/Orientation Programs/Faculty Development Programs:

1. Successfully completed a **4 week orientation program** from June 04 – July 01, 2020 organized by **Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi.**
2. Attended the *Orientation Course* on December 07, 2014, organized by *Banaras Hindu University, Varanasi Uttar Pradesh.*

3. Attended the *Orientation Course* on December 01, 2013, organized by *BARC, Mumbai Maharashtra*.
4. Attended the *Orientation Course* on December 02, 2012, organized by *University of Delhi, New Delhi*.
5. Attended the *Orientation Course* on December 25, 2011, organized by *Andhra University, Visakhapatnam, Andhra Pradesh*.
6. Attended the *Orientation Course* on December 19, 2010, organized by *BITS, Pilni Rajasthan*.
7. Attended the *Ph.D. Teaching Program, Advanced Lecture Series* from 7th February to 1st March & 30th March to 10th May, 2009, organized by *IUAC, An Autonomous centre of UGC, New Delhi*.

Computer Efficiency:

- ◆ LINUX, ORIGIN, INTERNET, MS OFFICE, Latex.

Personal Details:

Name	:	<i>Kamal Kumar</i>
Father's Name	:	Mr. Raj Kumar
Mother's Name	:	Mrs. Luxmi Devi
Date of Birth	:	22 st June, 1986
Sex	:	Male
Nationality	:	Indian
Marital Status	:	Married
Languages Known	:	Hindi, English
Permanent Address	:	House No.175 Moh. Pakka Bagh Near Shyam Public School Budaun(UP) Pin code - 243601

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