

CURRICULUM VITAE

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<https://www.amu.ac.in/dshowfacultydata.jsp?did=43&eid=10070742>

PROFESSIONAL EXPERIENCES:

2017-Till: Assistant Professor, Aligarh Muslim University, Aligarh, UP, India

2016-2017: Moffitt Cancer Center (an NIH comprehensive Cancer Center), Tampa, FL, USA

2013-2016: University of Southern California School of Medicine, CA, USA.

2010-2013: The Hormel Institute, University of Minnesota, MN, USA

2009-2010: University of Wisconsin, Madison, WI, USA.

AWARDS, FELLOWSHIPS, HONORS AND RECOGNITION:

2015: My work was selected for **Proffered Oral Presentation in 106th Annual Meeting of *American Association of Cancer Research* (AACR). Pennsylvania, PA, USA. April 18-22.**

2014: My work was selected as one of the three “Featured Prostrate Cancer Research**” work by *USA Department of Defense’s* “2014 Research Highlights” section.**

2012: My works were selected for **Proffered Abstracts (Three) in 103th Annual Meeting of *American Association of Cancer Research* (AACR). Chicago, IL, USA. March 31-April 4.**

2011: One of my publications was highlighted by the US and Indian print and electronic media such as *New York Times, Wall-Street Journal, The Street* and others to name a few.

2011: My work was selected for **Proffered Oral Presentation in 102rd Annual Meeting of *American Association of Cancer Research* (AACR). Orlando, FL, USA. April 2-6.**

2010: **Young Scientist Travel Award from the Society of Basic Urology Research (SBUR; USA).**

2005-2008: Senior Research Fellowship (SRF**), Council of Scientific and Industrial Research, India.**

2002: Graduate Aptitude Test for Engineering (GATE**), India.**

2001: Junior Research Fellowship under National Eligibility Test (CSIR-JRF-NET**), India.**

2001: **Merit Scholarship, Aligarh Muslim University Duty Society, Aligarh, India.**

1998-2000: University Post Graduate **Merit Scholarship for **two consecutive** years, Aligarh Muslim University, Aligarh, India.**

1998: Placed **FIRST in inter-college **quiz competition** on the topic “*AIDS and health awareness programme*”. Organizer: Society for Ecology & Environmental Development, Assam, India.**

1995: Science Talent Search Scholarship (State Level), Assam, India.

1994: Merit Scholarship by an NGO, Assam, India for academic excellence.

EDITORIAL BOARD MEMBER:

1. MOJ Cell Science & Report, USA ISSN: 2374-6920

2. Cancer Therapy & Oncology International Journal (CTOIJ), USA ISSN:2473-554X

EDUCATION:

2003-2008: Ph.D. in Zoology (Molecular Genetics), Indian Institute of Toxicology Research (awarded by Aligarh Muslim University), India.

1998-2000: M.Sc. in Zoology (specialization in Genetics), Aligarh Muslim University, India.

1995-1998: B.Sc. in Zoology (Hons), Chemistry and Botany, Assam University, India.

Ph.D. Thesis Title: “Genetic and Developmental Studies in *Drosophila melanogaster* Against Selected Environmental Chemicals”.

Supervisor: Prof. Debapratim Kar Chowdhuri. Indian Institute of Toxicology Research, India.

RESEARCH INTERESTS: Stem cells/ Cancer stem cells, Long non-coding RNAs, Drug resistance and Transgenesis.

Invited Lectures:

1. [Siddique HR](#), Ansari MO, GGHA Shadab. **2017**. Long non-coding RNAs in Cancer Stem Cells: Unravelling Pathways and Therapeutic Challenges. World Neuro Congress-2017 on Neurogenomics and Stem Cell Therapy 9-10 December. JNMC, AMU, Aligarh.
2. [Siddique HR](#) and Keigo M. **2015**. NANOG-NUMB-p53 axis as a novel target for alcohol promoted HCC. Southern California Research Center for ALPD & Cirrhosis, The 17th Annual Symposium on Emerging Therapeutic Targets for ALPD and Cirrhosis. December 4. University of Southern California, Los Angeles. CA.
3. [Siddique HR](#). **2013**. How to explore your best abilities as the future belongs to knowledge-based societies. Auditorium Hall, College of Veterinary Science, Assam Agricultural University, Guwahati, December 08.
4. [Siddique HR](#). **2011**. Lupeol, a novel androgen receptor inhibitor acts as a double-edged sword: Competitive binding as well as transcriptional inhibition. Lecture: 1494. Session: MS.EN01.01 - Steroid Receptors in Cancer, 102nd AACR Annual Meeting 2011. April 03, Orlando, FL.

TOP PAPERS PUBLISHED IN SCIENTIFIC JOURNALS AS FIRST AUTHORS:

1. [Siddique HR](#), Feldman DE, Chen C, Punj V, Tokumitsu H, Machida K. **2015**. NUMB Phosphorylation Destabilizes p53 and Promotes Self-renewal of Tumor-Initiating Cells by NANOG-dependent Mechanism in Liver Cancer. **Hepatology**. 62: 1466-1479. 5-Yr Impact Factor -**13.3** PMID: [26174965](#).
2. [Siddique HR](#), Parray A, Zhong W, Karnes JR, Bergstralh EJ, Koochekpour S, Rhim JS, Konety BR, Saleem M. **2013**. BMI1, Stem Cell Factor Acting as Novel Serum-biomarker for Caucasian and African-American Prostate Cancer. **PLoS One** 8: e52993. PMID: [23308129](#). 5-Yr Impact factor- **3.7**.
3. [Siddique HR](#), Adhami VM, Parray A, Johnson JJ, Siddiqui IA, Shekhani MT, Murtaza I, Ambursumian N, Konety BR, Mukhtar H, Saleem M. **2013**. The S100A4 Oncoprotein Promotes Prostate Tumorigenesis in a Transgenic Mouse Model: Regulating NFκB through the RAGE Receptor. **Genes & Cancer**. 4: 224-234. PMID: [24069509](#). Impact factor- **5.2**.
4. [Siddique HR](#), Parray A, Tarapore RS, Wang L, Mukhtar H, Karnes JR, Deng Y, Konety BR, Saleem M. **2013**. BMI1 Polycomb Group Protein Acts as a Master Switch for Growth and Death of Tumor Cells: Regulates TCF4-transcriptional Factor-induced BCL2 Signaling. **PLoS One**; 8: e60664. PMID: [23671559](#). **5-Yr** Impact factor- **3.7**.
5. [Siddique HR](#), Saleem M. **2012**. Role of BMI1 in Cancer Recurrence and Chemoresistance: Preclinical and Clinical evidence. **STEM CELLS** 30: 372-378. PMID: [22252887](#). 5-Yr Impact factor-**7.6**.
6. [Siddique HR](#), Liao JD, Mishra SK, Schuster T, Wang L, Matter B, Campbell PM, Villalta P, Deng Y, Saleem M. **2012**. Epicatechin-rich cocoa polyphenol inhibits Kras-activated pancreatic ductal carcinoma cell growth in vitro and in a mouse model. **International Journal of Cancer**. 131: 1720-31. PMID: [22190076](#). 5 Yr Impact factor -**5.7**.
7. [Siddique HR](#), Mishra SK, Karnes RJ, Saleem M. **2011**. Lupeol, a Novel Androgen Receptor

Inhibitor: Implications in Prostate Cancer Therapy. **Clinical Cancer Research** 17: 5379-91. PMID: [21712449](#). Impact factor -9.6.

8. [Siddique HR](#), Mitra K, Bajpai VK, Raviram K, Saxena DK, Kar Chowdhuri D. 2009. Hazardous effect of tannery solid waste leachates on development and reproduction in *Drosophila melanogaster*: 70kDa heat shock protein as a marker of cellular damage. **Ecotoxicology and Environmental Safety**. 72: 1652-1662 (**Highlighted article**). PMID:[19576632](#). 5-Yr Impact factor-2.9.
9. [Siddique HR](#), Sharma A, Gupta SC, Murthy RC, Dhawan A, Saxena DK, Kar Chowdhuri D. 2008. DNA damage induced by industrial solid waste leachates in *Drosophila melanogaster*: A mechanistic approach. **Environmental & Molecular Mutagenesis** 49: 206-216. PMID: [18240159](#). 5-Yr Impact factor-3.0.
10. [Siddique HR](#), Sharma A, Gupta SC, Mitra K, Bajpai VK, Mathur N, Murthy RC, Saxena DK, Kar Chowdhuri D. 2008. Adverse effect of tannery waste leachates in transgenic *Drosophila melanogaster*: Role of ROS in modulation of Hsp70, oxidative stress and apoptosis. **Journal of Applied Toxicology** 28: 734-48. PMID: [18172893](#). 5-Yr Impact factor -3.0.
11. [Siddique HR](#), Gupta SC, Mitra K, Murthy RC, Saxena DK, Kar Chowdhuri D. 2007. Induction of biochemical stress markers and apoptosis in transgenic *Drosophila melanogaster* against complex chemical mixture: Role of reactive oxygen species. **Chemico-Biological Interactions** 169: 171-188. PMID: [17651711](#). 5-Yr Impact factor- 3.0.
12. [Siddique HR](#), Kar Chowdhuri D, Saxena DK, Dhawan A. 2005. Validation of *Drosophila melanogaster* as an *in vivo* model for genotoxicity assessment using modified alkaline Comet assay. **Mutagenesis** 20: 285-290. PMID: [15899934](#). 5-Yr Impact factor-3.4.
13. [Siddique HR](#), Gupta SC, Dhawan A, Murthy RC, Saxena DK, Kar Chowdhuri D. 2005. Genotoxicity of industrial solid waste leachates in *Drosophila melanogaster*. **Environmental & Molecular Mutagenesis** 46: 189-197. PMID: [16114001](#). 5-Yr Impact factor-3.0.

OTHER RESEARCH WORK PUBLISHED IN SCIENTIFIC JOURNALS:

14. [Siddique HR](#). 2016. CRISPR/CAS9 Technology: A Revolutionary Molecular Scissors for Genome Editing and Genetic Research (**Editorial**). **MOJ Cell Science & Report** 3: 00046.
15. Parray A, [Siddique HR](#), Kuriger J, Mishra SK, Rhim J, Nelson H, Aburatani H, Bashaw G, Konety B, Koochekpour S, Saleem M. 2014. ROBO1, a tumor suppressor and critical molecular barrier for localized tumor cells to acquire invasive phenotype: Study in African-American and Caucasian prostate cancer models. **International Journal of Cancer**. 135: 2493-506. PMID: [24752651](#). 5-Yr Impact factor -5.7.
16. Mahmoud AM, Zhu T, Parray A, [Siddique HR](#), Yang W, Saleem M, Bosland MC. 2013. Differential effects of genistein on prostate cancer cells depend on mutational status of the androgen receptor. **PLoS One**. 8: e78479. PMID: [24167630](#). 5-Yr Impact factor- 3.7.
17. Mishra SK, [Siddique HR](#), Saleem M. 2012. Role of S100A4 Protein in Tumor Progression and Metastasis: Preclinical and Clinical Evidence. **Cancer and Metastasis Reviews** 31: 163-72. PMID: [22109080](#). 5-Yr Impact factor - 9.3.
18. Parray A, [Siddique HR](#), Konety BS, Saleem M. 2012. Castration-resistant Prostate Cancer: Potential Targets and Therapies. **Biologics** 6:267-76. (Invited) PMID: [22956858](#). Impact factor- 1.9.
19. [Siddique HR](#), Nanda S, Parray A, Saleem M. 2012. Androgen Receptor in Human Health: A Potential Therapeutic Target. **Current Drug Targets**. 13: 1907-1916. PMID: [23140299](#). 5-yr

Impact factor -3.3.

20. [Siddique HR](#), Saleem M. 2011. Beneficial health effects of Lupeol triterpene: a review of preclinical studies: **Life Sciences** 88: 285-293. PMID: [21118697](#). 5-Yr Impact factor -2.7 (Invited).
21. Gupta SC, [Siddique HR](#), Mathur N, Vishwakarma AL, Mishra RK, Saxena DK, Kar Chowdhuri D. 2007. Adverse effect of organophosphate compounds dichlorvos and chlorpyrifos in the reproductive tissues of transgenic *Drosophila melanogaster*: 70 kDa heat shock protein as a marker of cellular damage. 5-Yr **Toxicology** 238: 1-14. PMID: [17618723](#). Impact factor-3.8.
22. Gupta SC, [Siddique HR](#), Mathur N, Vishwakarma AL, Mishra RK, Saxena DK, Kar Chowdhuri D. 2007. Induction of *hsp70*, alterations in oxidative stress markers and apoptosis against dichlorvos exposure in transgenic *Drosophila melanogaster*: modulation by reactive oxygen species. **Biochemica et Biophysica Acta** 1770: 1382-1394. PMID: [17640809](#). 5-Yr Impact factor-4.6.
23. Mukhopadhyay I, [Siddique HR](#), Bajpai VK, Saxena DK, Kar Chowdhuri D. 2006. Synthetic pyrethroid cypermethrin induced cellular damage in reproductive tissues of *Drosophila melanogaster*: Hsp70 as a marker of cellular damage. **Archives of Environmental Contamination & Toxicology** 51: 673-680. PMID: [16418893](#). 5-Yr Impact factor-2.2.
24. Gupta SC, [Siddique HR](#), Saxena DK, Kar Chowdhuri D. 2005. Hazardous effect of organophosphate compound, dichlorvos in transgenic *Drosophila melanogaster* (*hsp70-lacZ*): Induction of *hsp70* and anti-oxidant enzymes and inhibition of acetylcholinestase enzyme. **Biochemica et Biophysica Acta** 1725: 81-92. PMID: [16023296](#). 5-Yr Impact factor-4.6.
25. Gupta SC, [Siddique HR](#), Saxena DK, Kar Chowdhuri D. 2005. Comparative toxic potential of market formulation of two organophosphate pesticides in transgenic *Drosophila melanogaster* (*hsp70-lacZ*). **Cell Biology and Toxicology** 21: 149-162. PMID: [16328894](#). 5-Yr Impact factor-2.6.
26. [Siddique HR](#), Dhawan A, Saxena DK, Kar Chowdhuri D. 2003. *D. melanogaster* as an *in vivo* model for somatic cell genotoxicity of chemicals by Comet assay. **Drosophila Information Service (USA)** 86: 149-151.

Full research paper published in conference proceeding:

27. Khan F, Sherwani AF, [Siddique HR](#), Azfer MA. 2002. Agglutination activity of lectins on RBCs of humans and their mitogenic action on human lymphocytes. **Proceeding Volume of National Conference on Expanding Horizons of Human Genetics** 1: 95-100.

MANUSCRIPTS UNDER CONSIDERATION FOR PUBLICATIONS:

28. [Siddique HR](#), Winer P, Rokan A, Zheng M, Zhou Y, Punj V, Sher L, Tahara SM, Liang C, Tsukamoto H, Machida K. 2017. Cell fate Reprogramming of Liver Tumor-Initiating Stem-like Cells via Phosphorylated NUMB and TBC1D15. **Cell (Communicated)**.
29. [Siddique HR](#), Narayanan P, Punj V, Feldman DE, Machida K. 2017. MSI2 binds LNCRNAs and promotes self-renewal and oncogenesis through MYC expression in experimental genetic mouse models and human cancer. **Proceedings of the National Academy of Sciences (USA) (Under second revision)**.
30. [Siddique HR](#), Parray A, Schuster T, Matter B, Villalta P, Konety BR, Saleem M. 2017. Lupeol targets Wnt/ β -catenin signaling in human colon cancer cells. **Cancer Prevention Research**

(Communicated)

31. [Siddique HR](#), Parray A, Jin R, Konety BS, Matusik RJ, Saleem M. **2017**. Relevance of cFLIP in Castration-resistant Prostate Cancer and its Regulation of Androgen Receptor and its Splice Variant: Proof of Principle Study *in vitro* and in ARR₂.IκB a⁺/⁻Myc Transgenic Mice. **The EMBO Journal** (Communicated).

Manuscripts Under Consideration For Publications As Corresponding Author:

32. Wani AL, Parveen N, Ansari MO, Ahmad MF, Siddique HR*, GGHA Shadab1*. **2017**. Lead induced toxicity modulated by long co-exposure of zinc among the occupationally exposed workers. (Communicated)
*=Corresponding author
33. Ahmad FM, Ansari MO, Parveen N, Wani AL, Jameel S, [Siddique HR*](#), GGHA Shadab*. **2017**. Nimbolide ameliorates anti-cancer drug hydroxyurea induced clastogenicity and oxidative damage in an animal model. (Communicated)
*=Corresponding author
34. Ansari MO, Ahmad FM, Parveen N, GGHA Shadab*, [Siddique HR*](#). **2017**. Superparamagnetic iron oxide nanoparticles based cancer theranostics: a double edge sword to fight against cancer. (Communicated)
*=Corresponding author
35. Ansari MO, GGHA Shadab, [Siddique HR*](#). **2017**. Nimbolide and its anti-cancer activity: An overview (Editorial). (Communicated)
*=Corresponding author

MANUSCRIPTS UNDER PREPARATION

36. [Siddique HR](#). **2017**. Cancer Stem Cells in Recurrence and Chemoresistance of Disease: Potential Targets for Therapy.
37. Patel S, [Siddique HR](#), Kar Chowdhuri D, Dhawan A. **2017**. Cypermethrin genotoxicity: a mechanistic study in *Drosophila melanogaster* DNA repair mutants.

ABSTRACTS PUBLISHED IN HIGH IMPACT INTERNATIONAL JOURNALS

1. [Siddique HR](#), Narayan P, Punj V, Feldman DE, Machida K. **2017**. MSI2 binds LncRNAs and promotes self-renewal and oncogenesis through MYC expression. In: Proceedings of the American Association for Cancer Research Annual Meeting 2017; 2017 Apr 1-5; Washington, DC. Philadelphia (PA): AACR; **Cancer Research** 77(13 Suppl): Abstract nr 2542. [doi:10.1158/1538-7445.AM2017-2542](https://doi.org/10.1158/1538-7445.AM2017-2542). **Impact Factor-9.2**
2. Ganaie AH, [Siddique HR](#), Sheikh I, Wang L, Parray A, Panyam J, Villalta P, Liao J, Deng Y, Saleem M. **2017**. Development of a novel KRAS-targeting agent: systematic validation using *in silico*, in solution, cell models, PDX and transgenic mouse models. In: Proceedings of the American Association for Cancer Research Annual Meeting 2017; 2017 Apr 1-5; Washington, DC. Philadelphia (PA): AACR; **Cancer Research** 77(13 Suppl): Abstract nr 1246. [doi:10.1158/1538-7445.AM2017-1246](https://doi.org/10.1158/1538-7445.AM2017-1246). **Impact Factor-9.2**
3. Parray A*, [Siddique HR*](#), Langfald A, Singh P, Naito M, Matusik R, Schmitz I, Koochekpour S, Konety BR, Saleem M. **2015**. A novel nuclear transporter for androgen receptor and AR-variant-7 in castration resistant prostate cancer: Ideal therapeutic. Proceedings of the 106th Annual Meeting of the American Association for Cancer Research; Pennsylvania, PA, Apr 18-22. **Proffered Oral Presentations - Molecular Endocrinology of Breast and Prostate Cancer. Cancer Research**

75 (15 Suppl); 4678. doi: [10.1158/1538-7445.AM2015-4678](https://doi.org/10.1158/1538-7445.AM2015-4678) *=Equal contributions. **Impact Factor-9.2**

4. Saleem M, Konety B, Parray A, [Siddique HR](#), Matusik R. **2015**. Identifying novel nuclear transporter of AR and AR (variant) in CRPC cells: Potential implications in therapy. Annual Meeting of the American Urological Association (AUA), New Orleans, May 15-19. Abstract nr MP66-14. **The Journal of Urology**, April 2015 Volume 193, Issue 4, Supplement, Pages e820–e821 <http://www.jurology.com/article/S0022-5347%2815%2902678-6/abstract>. **Impact Factor-5.2**
5. [Siddique HR](#), Wang L, Tarapore R, Deng Y, Saleem M. **2012**. A novel pathway involving TCF-driven BCL2 under regulation of Bmi1 stem cell factor: Role in chemoresistance. **Proffered Poster Presentations in Therapeutic Targeting of Cancer Stem Cells**. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research; Mar 31-Apr 4; Chicago, IL. **Cancer Research** 72 (8 Suppl): Abstract nr 3497. [doi:1538-7445.AM2012-3497](https://doi.org/10.1158/1538-7445.AM2012-3497). **Impact Factor-9.2**
6. [Siddique HR](#), Schuster T, Saleem M. **2012**. Lupeol, a novel inhibitor of Wnt/ β -catenin signaling: Implications in colon cancer therapy. **Proffered Poster Presentations in Targeting Metabolism and Gene Expression**. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research; Mar 31-Apr 4; Chicago, IL. **Cancer Research** 72 (8 Suppl): Abstract nr 3847. [doi:1538-7445.AM2012-3847](https://doi.org/10.1158/1538-7445.AM2012-3847). **Impact Factor-9.2**
7. Saleem M, [Siddique HR](#), Ganju RK, Mishra SK, Aburatani H. **2012**. Regulatory role of ROBO-1, a novel tumor suppressor on Androgen receptor and Wnt signaling during castration-resistant prostate cancer development: A novel molecular target for gene therapy. **Proffered Poster Presentations in Steroid Hormone Receptor and Growth Factor Actions in Cancer**. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research; Mar 31-Apr 4; Chicago, IL. **Cancer Research**; 72 (8 Suppl): Abstract nr 3917. [doi:1538-7445.AM2012-3917](https://doi.org/10.1158/1538-7445.AM2012-3917). **Impact Factor-9.2**.
8. [Siddique HR](#), Satyshure K, Saleem M. **2011**. Lupeol, a novel androgen receptor inhibitor acts as a double-edged sword: Competitive binding as well as transcriptional inhibition. AACR 102nd Annual meeting in Orlando, FL, USA. April 2-6. **Proffered Oral Presentations in Steroid Receptors in Cancer**. **Cancer Research** 71 (8 Suppl): Abstract nr 943. [doi:10.1158/1538-7445.AM2011-943](https://doi.org/10.1158/1538-7445.AM2011-943). **Impact Factor-9.2**.
9. Saleem M, [Siddique HR](#), Tarapore RS, Kohl AM. **2010**. Bcl-2, a novel target of Bmi-1 (the stem cell associated factor)-induced Wnt signaling: Implications on prostate cancer. AACR 101st Annual meeting. Washington DC, USA. April 17-21. **Cancer Res**; 70 (8 Suppl): Abstract nr LB-234. [doi: 10.1158/1538-7445.AM10-LB-234](https://doi.org/10.1158/1538-7445.AM10-LB-234). **Impact Factor-9.2**.

RESEARCH WORK PUBLISHED IN PROCEEDINGS OF NATIONAL/INTERNATIONAL CONFERENCES

REFEREED :

10. [Siddique HR](#), Ansari MO, GGHA Shadab. **2017**. Long non-coding RNAs in Cancer Stem Cells: Unravelling Pathways and Therapeutic Challenges. World Neuro Congress-2017 on Neurogenomics and Stem Cell Therapy 9-10 December. JNMC, AMU, Aligarh.
11. [Siddique HR](#) and Keigo M. **2015**. NANOG-NUMB-p53 axis as a novel target for alcohol

- promoted HCC. Southern California Research Center for ALPD & Cirrhosis, The 17th Annual Symposium on Emerging Therapeutic Targets for ALPD and Cirrhosis. December 4. University of Southern California, Los Angeles. CA. (Oral Presentation).
12. [Siddique HR](#), Parray A, Jin R, Konety BS, Matusik RJ, Saleem M. **2012**. Identification of a Master Switch that regulates Androgen Receptor/ AR variant-induced Signaling in Castration-resistant Prostate Cancer: Evidences in humans and transgenic mouse models. Society for Basic Urologic Research Fall Symposium (SBUR). Miami, FL, November 15 - 18, Poster # 31.
 13. Parray A, [Siddique HR](#), Noterman M, Mishra SK, Aburatani H, Saleem M. **2012**. Loss of Robo1 gene is a critical event in castration-resistance development: Novel bio-marker for CRPC detection and target of therapeutics. Society for Basic Urologic Research Fall Symposium (SBUR). Miami, FL, November 15 - 18, Poster # 51.
 14. [Siddique HR](#), Parray A, Schuster T, Konety BS, Saleem M. **2012**. A dual agent targeting microRNA machinery regulating β -catenin/Akt network improves Sulindac Therapy in Colon Cancer in vitro and in vivo. Eleventh Annual AACR International Conference on Frontiers in Cancer Prevention Research. Anaheim, California , October 16-19, Abstract # A64
 15. Saleem M, Ganju RK, Mishra SK, [Siddique HR](#). **2011**. ROBO1, A Novel Tumor Suppressor Gene Regulates Androgen Receptor during Castration-resistant Prostate Cancer Development: Potential Target of Gene Therapy and Chemotherapy. Society for Basic Urologic Research Fall Symposium. Los Vegas, Nevada. November 10-13. Poster # 9
 16. Saleem M, [Siddique HR](#), Mishra SK, Liao J, Campbell PM, Schuster T. **2011**. Cocoa polyphenol inhibits the growth of KRAS-activated cells representing premalignant stage of pancreatic cancer development in vitro. AACR 102nd Annual meeting. Abstract No. LB461. Orlando, FL, USA. April 2-6.
 17. Saleem M, [Siddique HR](#), Tarapore RS, Zhong W, Kohl A. **2011**. Bmi-1 polycomb group protein, drives proliferation of normal and malignant prostate epithelial cells: Role in chemoresistance and a novel therapeutic target. Department of Defense (DOD)-IMPACT conference, Orlando, FL. March 11.
 18. [Siddique HR](#), Tarapore R, M, Zhong W, Kohl A, Saleem M. **2010**. Bmi-1 polycomb group protein drives survival and proliferation of prostate cancer cells undergoing chemotherapy treatment: a novel therapeutic target. Society for Basic Urologic Research Fall Symposium (SBUR). Atlanta, GA November 11-14. Poster # 25
 19. Saleem M, [Siddique HR](#). **2010**. Lupeol triterpene, a potential inhibitor of androgen receptor that acts as double-edged sword: blunting androgen-dependent and -independent prostate cancer. Society for Basic Urologic Research Fall Symposium. Atlanta, GA November 11-14. Poster # 33
 20. Kar Chowdhuri D, [Siddique HR](#), Sharma A, Saxena DK. **2009**. Industrial solid waste leachates induced genotoxicity: models and assays. 10th International Conference on Environmental Mutagens (ICEM). Firenze- Italy. August 20-25.
 21. [Siddique HR](#), Bhargav D, Gupta SC, Saxena DK, Kar Chowdhuri D. **2006**. Biomarkers of stress and cellular damage in *Drosophila melanogaster*: Possible role of reactive oxygen species (ROS). EMBO workshop on Developmental Mechanisms and Disease Models, Department of Biological Sciences and Bioengineering, IIT, Kanpur. December 16-20. Abstract No. P2-36.

22. Dhawan A, [Siddique HR](#), Kar Chowdhuri D. **2005**. *Drosophila melanogaster* as an *in vivo* model for genotoxicity assessment using modified alkaline Comet assay. International symposium on diet in causation and prevention of cancer and XXX annual conference of Environmental Mutagen Society of India. Indian Institute of Toxicology Research, Lucknow, India. March 17-19.
23. [Siddique HR](#), Mitra K, Bajpai VK, Murthy RC, Saxena DK, Kar Chowdhuri D. **2007**. Adverse effects of the complex chemical mixture in development and reproduction of *Drosophila melanogaster*: role of sex peptide and accessory gland protein. 31st All India Cell Biology Conference, Banaras Hindu University. December 14-16. Abstract No. P-22.
24. Gupta SC, [Siddique HR](#), Saxena DK, Kar Chowdhuri D. **2007**. Organophosphates induced ROS generation modulates Hsp70 expression, antioxidant defense enzymes and programmed cell death in *Drosophila*. 30th All India Cell Biology Conference, Department of Zoology, Delhi University. February 2-4. Abstract No. P-61.
25. Kar Chowdhuri D, [Siddique HR](#), Gupta SC, Saxena DK. **2007**. Fly to environment: Toxicological Perspectives. 30th All India Cell Biology Conference, Department of Zoology, Delhi University. February 2-4.
26. [Siddique HR](#), Bhargav D, Dhawan A, Murthy RC, Saxena DK, Kar Chowdhuri D. **2005**. Genotoxicity assessment of industrial solid waste leachates using *Drosophila melanogaster* as an alternative animal model. National symposium on “Recent trends in environmental biology and biotechnological approach to conserve biodiversity”. Gulbarga University, Gulbarga, Karnataka, India. October 22-24. Abstract No-171.
27. [Siddique HR](#), Gupta SC, Dhawan A, Murthy RC, Saxena DK, Kar Chowdhuri D. **2004**. Detection of *in vivo* genotoxicity of leachates from industrial solid wastes in *Drosophila melanogaster* using modified alkaline Comet assay. 28th “All India Cell Biology Conference and Symposium on Genome Biology”. Punjab University, Chandigarh, India. December 01-03. Abstract No. P-18.
28. Kar Chowdhuri D, Mukhopadhyay I, Nazir A, [Siddique HR](#), Gupta SC. **2004**. *Drosophila melanogaster*: An *in vivo* model for toxicity assessment. Workshop on Current Techniques in Genetic Toxicology. Indian Institute of Toxicology Research, Lucknow, India. December 01-15.
29. Gupta SC, [Siddique HR](#), Saxena DK, Kar Chowdhuri D. **2004**. The study of correlation between stress response and antioxidant defense systems against xenobiotic toxicity. 28th “All India Cell Biology Conference and Symposium on Genome Biology”. Venue: Punjab University, Chandigarh, India. December 01-03. Abstract No- P-49.
30. Kar Chowdhuri D, [Siddique HR](#), Dhawan A, Saxena DK. **2004**. Validation of *Drosophila melanogaster* as *in vivo* model for genotoxicity assessment using modified alkaline Comet assay. 28th “All India Cell Biology Conference and Symposium on Genome Biology”. Venue: Punjab University, Chandigarh, India. December 01-03, Abstract No- P-71.
31. [Siddique HR](#), Murthy RC, Saxena DK, Kar Chowdhuri D. **2006**. Hazardous effects of industrial solid waste leachates: proteotoxicity and Hsp70 expression in transgenic *Drosophila melanogaster* (*hsp70-lacZ*) *Bg*^o. 29th “All India Cell Biology Conference and Symposium on Gene to Genome: Environment and chemical interaction”. Venue: Indian Institute of Toxicology Research, Lucknow, India. Jan. 17-20. Abstract No- P-37

[UN-REFEREED:\(INTERNATIONAL\)](#)

32. [Siddique HR](#), Parray A, Deng Y, Saleem M. **2013**. A Novel Pathway involving TCF-driven *Bcl2* under regulation of BMI-1 Stem Cell factor: Role in Chemoresistance. The Biomedical Informatics and Computational Biology Symposium. January 18, University of Minnesota, Rochester, MN. Poster # 10
33. Parray A, [Siddique HR](#), Saleem M. **2013**. Regulatory role of ROBO-1, a novel tumor suppressor on Androgen receptor and Wnt signaling during castration-resistant prostate cancer development: A novel molecular target for gene therapy. The Biomedical Informatics and Computational Biology Symposium. January 18, University of Minnesota, Rochester, MN. Poster # 9.
34. [Siddique HR](#), Parray A, Saleem M. **2013**. Lupeol Triterpene, a Potential Inhibitor of Androgen Receptor that acts as Double-edged sword: Blunting androgen-dependent and -independent Prostate Cancer. The Biomedical Informatics and Computational Biology Symposium. January 18, University of Minnesota, Rochester, MN. Poster # 11
35. [Siddique HR](#), Mishra SK, Karnes RJ, Konety BR, Panyam J, Saleem M. **2012**. Lupeol, a Novel Androgen Receptor: Implications in Prostate Cancer Therapy. 3rd Annual Masonic Cancer Center Research Symposium, Twin Cities, MN, May 30. Abstract- 86.
36. [Siddique HR](#), Liao J, Mishra SK, Schuster T, Wang L, Matter B, Campbell PM, Villalta P, Nanda S, Deng Y, Saleem M. **2012**. Epicatechin-rich cocoa polyphenol inhibits Kras-activated pancreatic ductal carcinoma cell growth in vitro and in a mouse model. 3rd Annual Masonic Cancer Center Research Symposium, Twin Cities, MN, May 30. Abstract- 85.
37. [Siddique HR](#), Tarapore R, Parray A, Karnes JR, Bergstralh EJ, Konety BR, Saleem M. **2012**. A novel pathway involving Tcf-driven *Bcl2* under regulation of *Bmi-1* stem cell factor: Role in chemoresistance of prostate tumors. 3rd Annual Masonic Cancer Center Research Symposium, Twin Cities, MN, May 30. Abstract- 78
38. [Siddique HR](#), Parray A, Mishra SK, Ganju R, Aburatani H, Saleem M. **2012**. Regulatory role of ROBO1, a novel tumor suppressor on Androgen receptor and Wnt signaling during castration-resistant prostate cancer development: A novel molecular target for gene therapy. 3rd Annual Masonic Cancer Center Research Symposium, Twin Cities, MN, May 30. Abstract- 69.
39. [Siddique HR](#), Bauman R, Saleem M. **2010**. *Bmi-1* a Stem cell- associated factor Regulates *Bcl2* through Wnt Signaling: Implications on Prostate Cancer Cell Survival and Proliferation. 2nd Annual Masonic Cancer Center Research Symposium, University of Minnesota, Minneapolis, USA. June 10.

TEACHING EXPERIENCES:

- Conducting lecture and practical Classes in both undergraduate and Post-Graduate classes on Animal Physiology, Microbial Genetics, Molecular Biology, Cell Biology, Recent Trends in Zoology, Proteomics and Genomics, Biotechniques and Animal Diversity. offered by Aligarh Muslim University, India.
- Conducted lectures and practical classes for graduate and under graduate students (Biochemistry, Cancer Biology and Stem Cells Biology) offered by Moffitt Cancer Center, USA.
- Conducted lectures and practical classes for graduate and under graduate students (Biochemistry, Cancer Biology and Stem Cells Biology) offered by University of Southern California, USA.
- Conducted lectures and practical classes for graduate and undergraduate students (Biochemistry,

Cancer Biology, and Genetics) offered by University of Minnesota, USA.

- Conducted lectures and practical classes for master students (Biochemistry, Biotechnology, Environmental Science and Toxicology) offered by Indian Institute of Toxicological Research (IITR), Lucknow, India.
- Participated in Summer Student Training Program at Indian Institute of Toxicological Research (IITR), Lucknow, India.

PROFESSIONAL MEMBERSHIPS:

Life Member:

1. Indian Society of Cell Biology (Since 2004).
2. Environmental Mutagen Society of India (Since 2005).
3. The Science Advisory Board, USA (Since 2011).
4. Indian Academy of Biomedical Sciences (Since 2017)

Active Member:

1. American Association of Cancer Research (Since 2010)

Associate member:

1. Society for Basic Urologic Research, USA (Since 2011).

PATENTS:

1. **Filed:** BMI1 Stem Cell Protein: A Novel Serum-Biomarker for Diagnosis and Prognosis of Prostate Cancer. **University of Minnesota Case number 20120301 and Docket: ROI20120301.**
2. **Filed:** Identification of Small Molecule Inhibitors of BMI1, a Polycomb Protein. **University of Minnesota Case number 20130173 and Docket: ROI20130173.**
3. **Filed:** Identification of Small Molecule Inhibitors of S100A4, a Calcium Binding Protein and a Cancer Metastasis Factor. **University of Minnesota Case number 20130172 and Docket: ROI20130172.**

REVIEWER OF SCIENTIFIC JOURNALS:

1. Genetics, USA. 2. Plos One, Plos Group, 3. Clinica Chimica Acta, Elsevier, 4. Chemosphere, Elsevier, 5. Physica E: Low-dimensional Systems and Nanostructures, Elsevier, 6. Molecular Biology Reports, Springer, 7. Current Pharmaceutical Design, Bentham Publishers, 8. Human and Experimental Toxicology. Springer, 9. Molecular and Cellular Biochemistry, Springer, 10. Redox Report, Maney Publishing, 11. Toxicology and Industrial Health, Sage, 12. The Journal of Environmental Biology, India. 13. BioMed Research International, Hindawi Publishing Corporation. 14. Frontiers Oncology, Frontiers. 15. Colloids and Surfaces B: Biointerfaces, Elsevier

SPECIAL TRAINING EXPERIENCE:

2017 : “Training Programme on Academic Leadership” from 07 September to 13 September, 2017 at UGC Human Resource Development Centre, AMU, Aligarh.

2014 : Received training on BS13 laboratory maintenance and creation of humanized mice.

2010-2013: Regularly attend the **Minnesota Chemoprevention Consortium** meetings at Austin, Twin Cities and Rochester, MN.

2007 : **Invited** as one of the **Young Researcher** to demonstrate Comet assay, Reporter gene assays and RT-PCR at Seminar-cum-Workshop on “**Techniques in Molecular Biology and Genotoxicity**”. Venue: Department of Zoology, University of Allahabad, Allahabad, India. March 17-20.

- 2006** : Selected as one of the young researchers to participate at “International Symposium on Environmental Factors, Cellular Stress and Evolution.” Banaras Hindu University, Varanasi, India. (Sponsored by the **IUBS, Paris**). October 13-15.
- 2005** : Workshop on Current Techniques in **Genetic Toxicology**. Venue: Indian Institute of Toxicology Research, Lucknow, India. December 01-15.
- 2004** : Training Workshop on **Scientific Communication**. Venue: Indian Institute of Toxicology Research, Lucknow, India. July 24-25,
- 2004** : Training Workshop on **Research Methodology and Statistical Methods in Biomedical Research**. Venue: Indian Institute of Toxicology Research, Lucknow, India. July 26-28.
- 2004** : Selected as one of the young researchers to participate at Training, Seminar and Workshop on “**Alternatives, Animal Welfare and the Curriculum**”. Organizer: International Centre for Alternatives in Research and Education, Chennai, India; August 28, **2004**. Venue: Indian Institute of Toxicology Research, Lucknow, India.
- 1995** : Active member of the Volunteer committee of the National Seminar on Recent Researches in Sciences and Technology. November 5-7. Venue: Karimganj College, Assam University.

POPULAR ARTICLES IN MAGAZINES/NEWSPAPERS:

- Siddique HR. 2015.** (Bengali). Biplobi Aziz Ahmed Choudhury: Jar Jonmo Shudhu Desh Premer Jonyo. **Agami Projonmo** p-2-4
- Siddique HR. 2015.** Antibiotic overuse/misuse: A dangerous trend in India. **Barak** 3: 66-70 (Published from Guwahati)
- Siddique HR. 2015.** Muslim proschadpodotar Prekkhapot Sondane (Bengali). **Samayik Prasnaga**. Editorial Page (Page 4). March 02
- Siddique HR. 2013.** Root of Muslim Backwardness: The Role of Illiteracy. **Barak** 2:72-74. (Published from Guwahati)
- Siddique HR. 2010.** How to explore the best education opportunities: my little experience. **Friends**, Published by Friends of Assam and Seven Sisters & Assam Foundation of North.

Personal overview:

Sex: Male

Marital Status: Married

Nationality: Indian

Languages: English, Hindi, Bengali, Urdu and Assamese