
DR. SAURABH KUMAR JHA (Ph.D. in Biotechnology)

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Email.id:(saurabh.jha@sharda.ac.in/jhasaurabh017@gmail.com), **Mobile No:** +91-9810841375, +91-7827895545 (Delhi Cell); **Nationality: INDIAN**



Objective:

- I am a confident, enthusiastic and hard working professional with great skills in **Teaching and Research**. Keen to meet both the performance **for Organizations** and satisfaction goals **for Quality of work life**. I shall be happy to understand and transmit the culture to others in the organizations.
- I am also able to successfully meet scientific challenges and execute diverse scientific projects both individually and with team members in timeline driven manner towards the achievement of organization goals.

<https://www.sharda.ac.in/faculty/details/dr-saurabh-kumar-jha>

https://www.researchgate.net/profile/Saurabh_Jha4

<https://scholar.google.co.in/citations?user=5yTqoR8AAAAJ&hl=en>

<https://www.ncbi.nlm.nih.gov/pubmed/?term=saurabh+kumar+jha>

<https://www.linkedin.com/in/dr-saurabh-k-jha-ph-d-a25799b8>

[Skype \(Skype name: Dr. Saurabh Kumar Jha and ID:live:b5cfff8647ba072c\)](https://www.skype.com/people/Dr.SaurabhKumarJha)

EDUCATION/TRAINING (*Begin with Master education and include all higher education*)

INSTITUTION AND LOCATION	POSITION	YEAR(s)	FIELD OF STUDY
Delhi Technological University (Formerly DCE), Delhi-110042,	Ph.D. Biotechnology	2013-2017	Biotechnology
VIT University Vellore, Tamil Nadu, (India)	M.Sc. Biotechnology	2011 -2013	Biotechnology

Honors

2017	PhD Thesis defense	"Signalling Mechanism and Therapeutics action of Biomolecules in Neurodegenerative disorder" , Molecular Neuroscience and Functional Genomics Laboratory, Department of Biotechnology, Delhi Technological University (Formerly Delhi College of Engineering), India.
2015-2017	DTU-SRF (MHRD)	Department of Biotechnology, Delhi Technological University (Formerly Delhi College of Engineering), India
2013-2015	DTU-JRF (MHRD)	Department of Biotechnology, Delhi Technological University (Formerly Delhi College of Engineering), India

B. PEER-REVIEWED PUBLICATIONS

Cumulative impact factor of all publications (19) = **50(approx.); h-index: 08; i10-index: 08;**
Cumulative citation index = **300**

1. **Saurabh Kumar Jha** (2020), Embryonic signaling as a therapeutic target of Alzheimer's disease, *Journal of Neurochemistry* (Wiley-Blackwell) [**Impact factor: 4.86**] (Under Revision).
2. Rohan Kar, **Saurabh Kumar Jha** and Niraj Kumar Jha (2020), A "NOTCH" deeper into the Epithelial-to-Mesenchymal Transition (EMT) program in Breast cancer, *genes (MDPI)*, [**Impact factor: 3.33**]
3. Niraj Kumar Jha, **Saurabh Kumar Jha**, Rohan Kar and Vineet Kumar Goswami (2019), Nuclear Factor-Kappa β as a therapeutics target for Alzheimer's disease, *Journal of Neurochemistry* (Wiley-Blackwell) [**Impact factor: 4.86**]
4. Niraj Kumar Jha, **Saurabh Kumar Jha**, Renu Sharma, Dhiraj Kumar, Rashmi K Ambasta and Pravir Kumar (2018), Hypoxia induced signaling activation in Neurodegenerative Diseases: Targets for new therapeutic strategies, *J Alzheimers Dis.* 2018;62(1):15-38. doi: 10.3233/JAD-170589. [**Impact factor: 3.93**]
5. **Saurabh Kumar Jha**, Niraj Kumar Jha, Dhiraj Kumar, Rashmi K. Ambasta, Pravir Kumar (2017), Linking mitochondrial dysfunction, metabolic syndrome and stress signaling in Neurodegeneration, *Biochimica et Biophysica Acta, (BBA Molecular Basis of disease)*; Biochim Biophys Acta. 2017 May;1863(5):1132-1146. doi: 10.1016/j.bbadis.2016.06.015. Epub 2016 Jun 21. Elsevier; [**Impact factor: 5.47**], [**Research Excellence Award DTU 2018**]
6. **Saurabh Kumar Jha**, Pravir Kumar*, (2017) "Molecular docking study of neuroprotective plant-derived biomolecules in Parkinson's disease". *International Journal of Pharmacy and Pharmaceutical Sciences.* Vol 9 Issue 9, Sept 2017. [**Impact factor: 0.88**]
7. **Saurabh Kumar Jha**, Pravir Kumar*, (2017) "An insilico study of Naringenin mediated neuroprotection in Parkinson Disease". *Asian J Pharm Clin Res.* Vol 10, Issue 8, 2017. [**Impact factor: 0.68**]
8. **Saurabh Kumar Jha**, Niraj Kumar Jha, Dhiraj Kumar, Renu Sharma, Abhishek Shrivastava, Rashmi K Ambasta and Pravir Kumar (2017), Stress induced synaptic dysfunction and neurotransmitter release in Alzheimer's disease: Can neurotransmitter and Neuromodulator be a potential therapeutic target?, *Journal of Alzheimer's Disease*, *J Alzheimers Dis.* 2017;57(4):1017-1039. doi: 10.3233/JAD-1606232016; [**Impact factor: 3.93**], [**Research Excellence Award DTU 2018**]
9. Niraj Kumar Jha, **Saurabh Kumar Jha**, Renu Sharma, Dhiraj Kumar, Rashmi K Ambasta and Pravir Kumar (2018), Hypoxia induced signaling activation in Neurodegenerative Diseases: Targets for new therapeutic strategies, *J Alzheimers Dis.* 2018;62(1):15-38. doi: 10.3233/JAD-170589. [**Impact factor: 3.93**]
10. Renu Sharma, Dhiraj Kumar, Niraj Kumar Jha, **Saurabh Kumar Jha**, Rashmi K Ambasta and Pravir Kumar (2016), Re-expression of Cell cycle markers in aged Neurons and Muscles: Whether cells should divide or die?, *Biochimica et Biophysica Acta, (BBA Molecular Basis of disease)*; Elsevier; 1863(1):324-336, [**Impact factor: 5.47**], [**Research Excellence Award DTU 2018**][<https://www.ncbi.nlm.nih.gov/pubmed/27639832>]
11. **Saurabh Kumar Jha**, Niraj Kumar Jha, Pravir Kumar and Rashmi K Ambasta (2016), Molecular Chaperones and Ubiquitin Proteasome System in Tumor Biogenesis: An Overview, *Journal of Cell Biology and Cell Metabolism*, 3: 010 [<http://heraldopenaccess.us/fulltext/Cell-Biology-&Cell-Metabolism/Molecular-Chaperones-and-Ubiquitin-Proteasome-System-in-Tumor-Biogenesis-An-Overview.php>]
12. **Saurabh Kumar Jha**, Niraj Kumar Jha, Rohan Kar, Rashmi K Ambasta, Pravir Kumar (2015), p38 MAPK and PI3K/AKT signaling in Parkinson's disease, *International Journal of Molecular and Cellular Medicine* (IJMCM), Spring 2015 2015 Spring;4(2):67-86.
13. Rashmi K. Ambasta, **Saurabh Kumar Jha**, Dhiraj Kumar, Renu Sharma, Niraj Kumar Jha, and Pravir Kumar (2015) Comparative study of anti-angiogenic activities of luteolin, lectin and lupeol biomolecules, Accepted September 2015, 13:307, *Journal of Translational Medicine*, [**Impact factor: 3.96**]
14. Niraj Kumar Jha, **Saurabh Kumar Jha**, Dhiraj Kumar, Noopur Kejariwal, Renu Sharma, Rashmi K Ambasta and Pravir Kumar (2015), Impact of IDE and Neprilysin in Alzheimer's disease biology: Characterization of putative cognates for therapeutic applications. Accepted *Journal of Alzheimer's Disease* 2015; 48(4):891-917. doi: 10.3233/JAD-150379. 14th July 2015, [**Impact factor: 4.15**]
15. Pravir Kumar, Dhiraj Kumar, **Saurabh Kumar Jha**, Niraj Kumar Jha, Rashmi K Ambasta (2015), Ion channels in neurological disorders, Accepted October 2015, *Advances in Protein Chemistry and Structural Biology*, 2016;103:97-136. doi: 10.1016/bs.apcsb.2015.10.006. Epub 2015 Nov 28. [**Impact factor: 3.03**]
16. Pravir Kumar, Niraj Kumar Jha, **Saurabh Kumar Jha**, Karunya Ramani and Rashmi K Ambasta (2015), Tau phosphorylation, molecular chaperones, Ubiquitin E3 ligase: clinical relevance in Alzheimer's disease, *Journal of Alzheimer's Disease*, 2015;43(2):341-61; [**Impact factor: 3.72**]
17. Niraj Kumar Jha, **Saurabh Kumar Jha**, Rohan Kar, Rashmi K Ambasta and Pravir Kumar (2014), Role of oxidative stress, ER stress and Ubiquitin Proteasome system in neurodegeneration, *MOJ Cell Science and Report.* 07/2014; 01(2).

BOOK CHAPTER

1. **Saurabh Kumar Jha**, Rahul Yadav, Kumari Swati, Niraj Kumar Jha, Ankur Sharma, Fahad Khan, Neeraj Kumar, Parma Nand, Prabhjot Kaur, Tanaya Gover, and Geetika Rawat (2020) Alterations in metabolite-derived gene regulation in cancer metabolism. *In book: Cancer Cell Metabolism: A Potential Target for Cancer Therapy, Publisher: Springer Nature.*
2. Niraj Kumar Jha, **Saurabh Kumar Jha**, Ankur Sharma, Rahul Yadav, Pratibha Pandey, Kavindra Kumar Kesari, Neeraj Kumar, Parma Nand, Mansi Agrahari, and Nancy Sanjay Gupta (2020) Clinical relevance of "Biomarkers" in cancer metabolism. *In book: Cancer Cell Metabolism: A Potential Target for Cancer Therapy, Publisher: Springer Nature.*
3. Niraj Kumar Jha, **Saurabh Kumar Jha**, Satyaprakash, Rohan Kar, Deepak Rathore, Rashmi K Ambasta and Pravir Kumar (2015) Epigenetics and angiogenesis in cancer, Epigenetic Advancements in Cancer, Edited by Manoj Mishra, Kumar Bishnupuri, 12/2015: BOOK CHAPTER; **Springer International publishing AG.**

CONFERENCE, PROCEEDINGS AND SYMPOSIUM

1. **Saurabh Kumar Jha** (2019), **Invited Speaker**, "Research methodology and Clinical Trials and their application in Stem Cell and Regenerative Medicine", **5th International Regenerative Medicine Conclave, 2019**, StemGenn Therapeutics International Conference held during 23rd to 24th November, Holiday Inn Aerocity, Delhi.
2. Ankita Singh and **Saurabh Kumar Jha**, (2019), *In silico* study of Parkin and their therapeutic approaches in Neurodegenerative disorder, BioTrendz: Technological Advancement & Challenges in the field of Biotechnology, 23-24 April, Noida Institute Of Engineering & Technology, Greater Noida, India.
3. Shalu Mishra, Neetesh Chauhan and **Saurabh Kumar Jha** (2019), Amyotrophic Lateral Sclerosis? BioTrendz: Technological Advancement & Challenges in the field of Biotechnology, 23-24 April, Noida Institute of Engineering & Technology, Greater Noida, India.
4. **Saurabh Kumar Jha** (2018), **FDP**_ Recent trends in material science and engineering, TEQIP-III sponsored one week Faculty development Programme (FDP) organized by Department of Applied Physics, Delhi Technological University (DTU) from September 17th – September 21st, 2018
5. **Saurabh Kumar Jha** and Pravir Kumar*, (2015), *Comparative analysis of biomolecules in Parkinson's disease therapeutics*, 29th Annual Conference of Society for Neurochemistry India and Advancement in computation Neurochemistry and Neurobiology (SNCI-ACNN), December 19-21, 2015, NEHU Shillong [**Oral presentation**], **INDIA**
6. Alka Raina, **Saurabh Kumar Jha**, Niraj Kumar Jha, Dhiraj kumar, Rashmi K Ambasta and Pravir Kumar*(2015), *Putative transcription factor binding elements of ubiquitin E3 ligase in neurodegenerative disorders*, 29th Annual Conference of Society for Neurochemistry India and Advancement in computation Neurochemistry and Neurobiology (SNCI-ACNN), December 19-21, 2015, NEHU Shillong [Poster presentation], **INDIA**
7. Abhisekh Srivastava, Puspendramani Mishra, Dhiraj kumar, **Saurabh Kumar Jha**, Niraj Kumar Jha, Rashmi K Ambasta and Pravir Kumar* (2015), *Relevance of terpenoids and alkaloids in neuroprotection*, 29th Annual Conference of Society for Neurochemistry India and Advancement in computation Neurochemistry and Neurobiology (SNCI-ACNN), December 19-21, 2015, NEHU Shillong [Poster presentation], **INDIA**
8. Swati Sharan, Niraj Kumar Jha, **Saurabh Kumar Jha**, Dhiraj kumar, Rashmi K Ambasta and Pravir Kumar*(2015), *Post-translational modification mechanism in Parkinson's disease pathology*, 29th Annual Conference of Society for Neurochemistry India and Advancement in computation Neurochemistry and Neurobiology (SNCI-ACNN), December 19-21, 2015, NEHU Shillong [Poster presentation], **INDIA**
9. Minal Singh, Niraj Kumar Jha, **Saurabh Kumar Jha**, Dhiraj kumar, Rashmi K Ambasta and Pravir Kumar* (2015), *In silico characterization of holo A β PP promoter and its transactivation modules* 29th Annual Conference of Society for Neurochemistry India and Advancement in computation Neurochemistry and Neurobiology (SNCI-ACNN), December 19-21, 2015, NEHU Shillong [Poster presentation], **INDIA**
10. Abhishek Srivastava, Puspendra M Mishra, **Saurabh Kumar Jha**, Niraj Kumar Jha, Rashmi K Ambasta and Pravir Kumar (2015), *In silico analysis cannaboids in neurodegeneration*, 6th World congress on biotechnology, New Delhi, October 5th-7th, *J Biotechnol Biomater* 2015, 5:6, **INDIA**
11. **Saurabh Kumar Jha**, Niraj Kumar Jha, SatyaPrakash, M. Sonia Angeline, Rashmi K. Ambasta and Pravir Kumar (2014), *In silico* study of flavonones in neurodegenerative disorders, International Symposium on Translational Neuroscience and XXXII Annual Conference of the Indian Academy of Neurosciences, 01-03 November, NIMHANS Bangalore, INDIA, **INDIA**

12. Niraj Kumar Jha, **Saurabh Kumar Jha**, Satya Prakash, M. Sonia Angeline, Rashmi K. Ambasta and Pravir Kumar (2014), *Physiological stress in neurodegeneration: Interatomic partners based on In silico study*, International Symposium on Translational Neuroscience and XXXII Annual Conference of the Indian Academy of Neurosciences, 01-03 November, NIMHANS Bangalore, **INDIA**
13. Dhiraj Kumar, Niraj Kumar Jha, **Saurabh Kumar Jha**, Renu Sharma, Kushi Anand, Rashmi K. Ambasta and Pravir Kumar (2014), *Anti cancerous drugs as a neuroprotectant: a therapeutic intervention in neurodegenerative disorders*, International Symposium on Translational Neuroscience and XXXII Annual Conference of the Indian Academy of Neurosciences, 01-03 November, NIMHANS Bangalore, **INDIA**
14. **Saurabh Kumar Jha**, Niraj Kumar Jha, Rashmi K. Ambasta and Pravir Kumar (2013), *Structurally and functionally analyzed new generation anti-aging neuroprotective drugs*, NCRTPSB 2013, JMI 16-18 December, INDIA Journal of Protein and Proteomics, Vol.4, No.2 p62, **INDIA**
15. **Saurabh Kumar Jha**, Niraj Kumar Jha, Deepak Rathore, Rashmi K. Ambasta and Pravir kumar (2013), *Traditional FDA approved anti-cancerous drugs versus new anti-cancerous drugs: A computational approach*, 09-11 December, Bioworld Conference, IIT Delhi, **INDIA**
16. Niraj Kumar Jha, **Saurabh Kumar Jha**, Rashmi K. Ambasta and Pravir kumar (2013) *Computer assisted protein analysis in hypoxia signaling*, NCRTPSB 2013, JMI 16-18 December, INDIA Journal of Protein and Proteomics, Vol.4, No.2 p37, **INDIA**
17. Niraj Kumar Jha, Lakshmi, Binod Koirala, **Saurabh Kumar Jha**, Renu Sharma, Rohan Kar, Dhiraj, Jitendra Singh, Rashmi K. Ambasta and Pravir kumar; (2013), *Identification and validation of key Ubiquitin E3 ligases in type II diabetes: An in silico work*; 09-11 December, Bioworld Conference, IIT Delhi, Delhi, **INDIA**
18. P. Asthana, A.Sarkar, S. Angeline, Kushi Anand, N. Jaiswal, **S.K. Jha**, N.K. Jha, Priya Chaterjee R. K. Ambasta, **Pravir Kumar*** (2012), "Protective effect of naringenin on hypoxia induced muscles degeneration". 2012-S-7580-SfN (*Poster presentation* in the annual meeting of *Society of Neuroscience*, Oct 17, 2012, New Orleans, Poster, **USA**).

C. WORKSHOP AND SEMINARS ATTENDED

1. **Saurabh Kumar Jha** (2019), Pandit Deen Dayal Upadhyay Manch, in association with Manyavar Kanshiram Govt. Degree College, Ghaziabad organized a one day National Seminar on Plastic Waste Free India on January 29, 2019.
2. **Saurabh Kumar Jha** (2018), National Conference on advances in biotechnology: An interdisciplinary approach, Department of Biotechnology, Sharda University, Noida, India
3. **Saurabh Kumar Jha** (2018), Expert lecture Career Uplift: Stem Cell & Regenerative Medicine; in the area of Biotechnology on 26th November 2019, Sharda University, Noida, India
4. **Saurabh Kumar Jha** (2015), Work shop on advancement in computation Neurochemistry and Neurobiology (SNCI ACNN), December 16-18, 2015, NEHU Shillong, **INDIA**
5. Participated in conference on "**Brain and Brain Sciences: Hot Spot Area in Translational Research**" Society for Neurochemistry, India (**SNCI**) VIT University chapter meeting 13th April, 2012, **INDIA**
6. Participated in the special course on "**Plant Transgenic Technology**" jointly organized by the institute of plant genetics, Gottfried Wilhelm Leibniz University, Hannover, Germany and Indo-German Centre for Excellence in Biosciences(IGCEB) in SBST, VIT University 29th January, 2012, **INDIA**
7. 5th International Conference on Science, Engineering and Technology (**SET**), VIT UNIVERSITY, 8th November, 2012, **INDIA**
8. 4th International Conference on Science, Engineering and Technology (**SET**), VIT UNIVERSITY, 3th May, 2012, **INDIA**
9. 3rd International Conference on Science, Engineering and Technology (**SET**), VIT UNIVERSITY, 17th November, 2011, **INDIA**

D. AWARDS & ACHIEVEMENTS

1. "**Best Stem Cell Researcher Award 2019**" by **Prof. (Dr). Michele Zocchi**, University of Turin, Italy.
2. **Commendable Research Excellence Award DTU 2018**, Two Best First Author Papers With High Impact Factor
3. **Delhi Technological University (DTU)**, PhD written Examination and Interview in Biotechnology Engineering. 2013, (DTU-JRF/SRF), Aug-2013-Nov-2017, (**Rank-GENERAL -01**)
4. **Madurai Kamaraj University** written test for "**Integrated M.Sc- Ph.D**" in Genomics, 2012, (**Rank-GENERAL-23**)
5. **BHU M.sc Plant Biotechnology**, 2011, (**Rank-GENERAL-54**)
6. **South Asian University (SAU)** combined entrance examination 2011 for M.Sc Biotechnology (**Rank-GENERAL-63**)

7. **Pondicherry Central University (PCU)** written test for "**Biochemistry and Molecular Biology**" in Biological Sciences, 2011 (**Rank-GENERAL-45**)
8. **Pondicherry Central University (PCU)** written test for "**Ecology and Environmental Sciences**" in Biological Sciences, 2011 (**Rank-GENERAL-22**)

E. PROFESSIONAL MEMBERSHIPS

1. Society of Neurochemistry India (SNCI), (India)-Life member

F. HANDS-ON EXPERIENCE

Microbiology	Culturing, Plating, Isolation, Competent cell preparation and Identification and Preservation of Bacteria
Molecular Biology	Isolation of Bacterial / Plant / Animal / Plasmid DNA, PCR and Restriction Enzyme Digestion, Electrophoresis, SDS, Polymerase chain reaction (PCR), Paraformaldehyde fixation of tissues, Immunocytochemistry, Hematoxylin and Eosin staining, Chick Chorioallantoic Membrane (CAM) assay
Biochemistry	Qualitative and Quantitative estimation of Proteins and Carbohydrates and tests for their identification, Paper and Thin Layer Chromatography, UV Spectroscopy, Restriction digestion
Cell culture	Sub culturing of cell, Drug screening, Cell viability Assays (Trypan blue exclusion test, MTT assay), Microscopic work, SDS-PAGE and Western Blotting
Animal Model Generation	Parkinson's disease model, Hypoxia model
Immunology	Blood group typing, Widal Test, Immuno-diffusion and Immuno-electrophoresis, ELISA
Bioinformatics	Sequence searching and alignment (BLAST, CLUSTAL W), Auto Dock, Integrated database search (Entrez)

G. COMPUTER SKILLS

Conversant with Microsoft Windows and good computer skills with proficiency in common utilities like MS Office, Adobe Photoshop and statistics software (Prism).

H. SALIENT FEATURES OF SAURABH KUMAR JHA CV

1. Designed and introduced the Two New Courses at Level of B.Tech/M.Sc./PGD in "**Stem Cell Technology and Regenerative Medicine**" & "**Genetic Engineering**" in Sharda University.
2. Established a research laboratory as a Ph.D. (Research Fellow)/group leader, Molecular Neuroscience and Functional Genomics Laboratory, Department of Biotechnology, in Delhi Technological University (Formerly Delhi College of Engineering), Delhi
3. 4 Years Teaching experience in Department of Biotechnology as a Ph.D. (Research Fellow), in Delhi Technological University (Formerly Delhi College of Engineering), Delhi

I. STRENGTHS

Confidence, Team work spirit, Extrovert personality

J. PERSONAL DETAILS

Date of Birth: 27th December 1989

Languages Known: To Speak: English, Hindi & Maithili

To write: English, Hindi & Maithili

Age: 28

K. DECLARATION

I hereby declare that all the particulars above are true to the best of my knowledge and understanding.

DR. SAURABH KUMAR JHA