

FACULTY PROFILE



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| Name | Subodh Kumar Jain | | | Date of Birth:08.05.1958 | | |
| Designation | Professor and Head | Date of holding Present Post | | 01.01.2010 | | |
| Name of the Department and School | Department of Zoology, | | | School of Biological Sciences | | |
| Contact Details | Email : subjain@gmail.com | | | Mobile:9406519485 | | |
| Additional Responsibility in the university, if any | Secretary, Dr. Harisingh Gour Vishwavidyalaya Alumni Association, Sagar | | | | | |
| Educational Qualifications (UG onwards) | M.Sc., Ph.D. | | | | | |
| Research Area/Specialization | Cell and Molecular Biology; Stress Physiology | | | | | |
| Awards/ Honors / Fellowship Conferred (With details thereof) | FIAN: Fellow of Indian Academy of Neuroscience (2019) FNASc: Fellow of National Academy of Science India (2017) Prof. G.K.Manna Memorial Award of ISCA Kolkata (2014) FZSI: Fellow of Zoological Society of India (1992) | | | | | |
| Summary of Publications (Number only) | Research Papers | Books | Chapter in Books | Seminars/ Conferences Proceedings | Projects | |
| 2013-2020 | 18 | | 02 | 27 | 02 | |

Research Projects (Completed and Ongoing):

| S.No. | Title | Funding Agency | Duration | Sanction order No. & Date | Amount in Rs. Lakh | Completed/ongoing |
|-------|--|-------------------------------|-----------|---------------------------------------|--------------------|-------------------|
| 1. | 1. "Design and validation of a clinical translational algorithm for molecular risk assessment of hepatocellular carcinoma". | UGC-BSR One Time Grant | 2014-2018 | [F.19-124/2014(BSR) June, 2014 | 7,00,000=00 | Completed |
| | 2. "RAPD-PCR based biomarker characterization and genetic diversity of stored grain pest Callosobruchus maculatus and Callosobruchus chinensis of Madhya Pradesh | MAPCOST, Bhopal | 2011 | (No.3646/CST/R & D/ 2011 | 4,88,000=00 | Completed |

| PUBLICATIONS : | |
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| National Publications (Details of Research Papers): | |
| Year (From 2013 to 2020) | (Name of the author(s), title, name of the journal, vol. no. , page no., Month/year, ISSN and impact factor, if any) |
| | <ol style="list-style-type: none"> 1. Anvesh Mansoori, Huma Khan and Subodh Kumar Jain: RAPD-PCR based biomarker study for molecular identification and polymorphism in fish species (Cyprinidae family). Trends in Fisheries Research 7(3), 72-78; 2018 IF 0.23 2. Jain, Subodh Kumar: Alcohol consumption, Dependence, Mediated Disorders and Challenges. Everymen's Science (Indian Science Congress, Kolkata). Vol. 5, 305-309, ISSN 0531-495 X, 2016 3. Divya Pandey, Bharat Neekhra, Meeta Mishra and Subodh Kumar Jain: Biomarker system for genetic analysis of stored grain pests Callosobruchus maculatus and Callosobruchus chinensis. Proc. Natl. Acad. Sci. India, Sect. B Biol. Sci. 85 (2) 663-671 (2014) doi 10.1007/s40011-014-0366-z (IF 0.39) 4. Saba Khan, Gorantla V. Raghuram, Neelam Pathak, Subodh K. Jain, Dolly H. Chandra, Pradyumna K. Mishra: Impairment of Mitochondrial–Nuclear Cross Talk in Neutrophils of Patients with Type 2 Diabetes Mellitus. Ind J Clin Biochem (Jan-Mar 2014) 29(1):38–44 DOI 10.1007/s12291-013-0321-4 (IF 0.45) |
| International Publications (Details of Research Papers): | |
| Year (From 2013 to 2020) | (Name of the author(s), title, name of the journal, vol. no. , page no., Month/year, ISSN and impact factor, if any) |
| 2013 | <ol style="list-style-type: none"> 1. Jain SK, Zelena Dora: Role of ionotropic glutamate receptors in the control of prolactin secretion by other neurotransmitters and neuropeptides at the level of the pituitary. Endocrine Regulations, Vol.47.65-74, 2013 (IF 0.80) ISSN 1336-0329 2. |
| 2014 | <ol style="list-style-type: none"> 1. Neelam Pathak, Saba Khan, Arpit Bhargava, G.V.Raghuram, Deepika Jain, Hariom Panwar, Ravindra M. Samarth, Subodh K. Jain, K.K.Maudar, Dinesh K.Mishra and P.K.Mishra: Cancer Chemopreventive Effects of the Flavonoid-Rich Fraction Isolated from Papaya Seeds. Nutrition and Cancer (2014) (http://dx.doi.org/10.1080/01635581.2014.904912) [Citations: 24] N.P.Dubey, S.K.Jain & H.S.Maheshwari: Chronic study of arsenic trioxide-induced hepatotoxicity in relation to arsenic liver accumulation in rats. Toxicological and Environmental Chemistry 96 (3) 491-499 (2014) DOI: 10.1080/02772248.2014.949129 [IF 1.09]. 2. N.P.Dubey, S.K.Jain & H.S.Maheshwari: Chronic study of arsenic trioxide-induced hepatotoxicity in relation to arsenic liver accumulation in rats. Toxicological and Environmental Chemistry 96 (3) 491-499 (2014) DOI: 10.1080/02772248.2014.949129 [IF 1.09]. 3. Neekhra B, Mansoori AA, Verma S, Koiri RK, and Jain SK: RAPD-PCR Based Biomarker Study in Fish Species (Family: Cyprinidae) of Madhya Pradesh, India. Austin J Mol & Cell Biol 1 (1) 1-6, December 2014. IF 2.71 |
| 2015 | <ol style="list-style-type: none"> 1. Abdul Anvesh Mansoori, Subodh Kumar Jain: Molecular links between alcohol and tobacco induced DNA damage, gene polymorphism and patho-physiological consequences: A systematic review on hepatic carcinogenesis. DOI:http://dx.doi.org/10.7314/APJCP.2015.16.12.4803. pp4803-4812. 2015 (IF 2.27) [Citations: 18] |
| 2016 | <ol style="list-style-type: none"> 1. Arpit Bhargava, Dinesh K. Mishra, Subodh Kumar Jain, Rupesh K. Srivastava, Nirmal K. Lohiya, Pradumna K. Mishra: Comparative assessment of lipid based nano-carrier systems for dendritic cells based targeting of tumor reinitiating cells in gynecological cancers. Molecular Immunology, 79; 98-112. 2016 (IF 3.06) 2. Subeer Majumdar, Abul Usmani, Nirmalya Ganguli, Subodh K. Jain, Nilanjana Ganguli, Rajesh Sarkar, Mayank Choubey, Mansi Shukla and Hironmoy Sarkar: Robust generation of transgenic mice by simple hypotonic solution mediated delivery of transgene in testicular germ cells. Molecular Therapy-methods and Clinical Development: 3, 16076 doi:10.1038/mtm.2016.76. 2016 (IF 4.875) ISSN No.2329-0501 |

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| 2017 | <ol style="list-style-type: none"> Bhargava A, Khare NK, Bunker N, Choudhary K, Pandey KC, Jain Subodh Kumar, Mishra PK: Cell free circulating epigenomic signatures: Non invasive biomarker for cardiovascular and other age related chronic diseases. Current Pharmaceutical Design (Bentham Science) Vol.23(8),1175-1187.2017 doi.10.2174/1381612822666161027145359, (IF 2.41) Hanga Horvath, Csilla Fazeleas, Diana Balazsfi, Subodh Kumar Jain, Jozsef Hallar, Dora Zelena: Contribution of vesicular glutamate transporter 3 to stress reaction and related psychopathologies, anxiety and depression. Cellular and Molecular Neurobiology: Springer US: Cell Mol Neurobiol 2018 Jan. 38 (1):37-52; doi: 10:1007/s 10571-017-0528-7 2017 (IF 3.89), ISSN No. 0272-4340 |
| 2018 | <ol style="list-style-type: none"> Abdul Anvesh Mansoori and Subodh Kumar Jain: ADH1B, ALDH2, GSTM1 and GSTT1 Gene Polymorphic Frequencies among Alcoholics and Controls in the Arcadian Population of Central India. Asian Pacific Journal of Cancer Prevention, vol.19(3),725-731. DOI:10.22034/APJCP.2018.19.3.725 (IF 1.27).ISSN No.1513-7368 |
| 2019 | <ol style="list-style-type: none"> Subodh Kumar Jain, Sapna Sedha, Meeta Mishra: Genetic polymorphism and alcohol metabolism. Book entitled "The Recent Topics in Genetic Polymorphism" published by Intechopen, London, ISBN 978-1-78985-892-4, http://mts.intechopen.com/article/show/title/geneticpolymorphism-and-alcohol-metabolism DOI:10.5772/intechopen.88907. 2019 (Page 1-13). |
| 2020 | <ol style="list-style-type: none"> Upadhyay DC, Bagri DS, Upadhyaya CP, Kumar A, Thiruvengadam M, Jain, Subodh Kumar: Genetic engineering of potato (Solanum tuberosum) for enhanced alpha-tocopherols and abiotic stress tolerance. Physiologia plantarum, 2020; 1-13. Doi:10.1111/ppl.13252 (IF 4.148). |

Books Published

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| Year (From 2013 to 2020) | (with author(s), title of the book, name of publisher, year of Publication, ISBN) |
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Chapters in Books

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| Year (From 2013 to 2020) | (with author(s), title of chapter, title of the book with author name, name of publisher, year of Publication, ISBN) |
| | <ol style="list-style-type: none"> Pradumn Kumar Mishra, Neha Bunkar, Arpit Bhargava, Subodh Kumar Jain Naveen Kumar Khare and Neelam Pathak (2017): Bhopal (1984): Cancer risk among survivors and opportunities for translational environmental health research. Air Pollution Review: Vol. 6. Air Pollution Episodes. World Scientific Publishing Co. pp 101-127. http://doi.org/10.1142/9781786343413_0007. ISBN 978-1-78634-340-6. Subodh Kumar Jain, Sapna Sedha, Meeta Mishra: Genetic polymorphism and alcohol metabolism. Book entitled "Genetic Polymorphism" published by Intechopen London, http://dx.doi.org/10.5772/Intechopen.88907. 2019 |

National Seminar/Conference/Workshops (Attended)

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| Year (From 2013 to 2020) | (with topic, date and venue) |
| | <ol style="list-style-type: none"> Jain, Subodh Kumar: HPA axis regulation: Role of oxytocin and vasopressin. North – Eastern Regional Science Congress. National Institute of Technology, Yupia (Arunachal Pradesh), March 11-13, 2013 Jain, Subodh Kumar: ACTH and Vasopressin during stress: at ADINA College of Pharmacy, Sagar (2013) |

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| | <ol style="list-style-type: none"> 3. Jain, Subodh Kumar: Biotechnology: From Lab. To Land. (Noble College, Sagar) 09.10.2013 4. Jain, Subodh Kumar: Physiology of stress behaviour (Academic Staff College, University of Allahabad. April 05, 2014) 5. Human Genome Project (HGP): Facts and Applications. NASI Workshop at M.K.Ponda Institute of Management, Bhopal. October 15, 2014 6. Wild life conservation. NASI Workshop at M.K.Ponda Institute of Management, Bhopal. October 15, 2014 7. Stress: Physiology and Remediation: ISCA Kanpur Chapter, Kanpur (December 08, 2014). 8. Stress: Physiology and management: Academic Staff College, Dr.H.S.Gour University, Sagar (December 31, 2014) 9. Stress: Physiology, causes and remedy. Academic Staff College, Dr.H.S.Gour University, Sagar (December 16, 2015). 10. Stress: Physiology and Genetics: National Seminar on “Science and Technology for Indigenous Development of India” at DG PG College, Kanpur (January 28-29, 2016). 11. Molecular Marker study for the genetic identification of giant honey bee of Madhya Pradesh. At DBS College, Kanpur (September 29-30, 2016). 12. Another side of Antidiuretic Hormone: Hypothalamo-Pituitary-Adrenal (HPA) axis regulation. National seminar on “Future India: Science and Technology” at DGPG College, Kanpur (November 23-25, 2018). 13. Stress and genetics: National seminar on “Science and Technology for Socio-Economic Development, held at Maharana Pratap Govt. PG College, Gadarwara, M.P. (March 16-17, 2019) 14. National Webinar on “COVID-19: Impact on human health and various potent theraprutic approaches” at S.S. Khanna PG Girls College, Allahabad (June 15-16, 2020). 15. National webinar on 21st century: Research Innovations in Life Science in Relation to Human Welfare, at Govt. Girls Autonomous PG College, Sagar. July 27, 2020 |
| International Seminar/Conference/Workshops (Attended) | |
| Year (From 2013 to 2020) | (with topic, date and venue) |
| | <ol style="list-style-type: none"> 1. Another Side of the Antidiuretic Hormone Vasopressin: Its Role in Stress Regulation. International conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences. RTM University, Nagpur (February 5-7, 2015) |
| National Seminar/Conference/Workshops (Organised) | |
| Year (From 2013 to 2020) | (with topic, date and venue) |
| | <ol style="list-style-type: none"> 1. National seminar on “Science and Technology: Rural Development” at Dr. Harisingh Gour Vishwavidyalaya, Sagar. Sponsored by ISCA, Sagar Chapter (November 15-16, 2019) 2. NMR Spectroscopy and its applications, at Dr. Harisingh Gour Vishwavidyalaya, Sagar. Sponsored by DST-PURSE (March 11, 2019) 3. National seminar on “Future India: Science and Technology” Dr. H.S.Gour University, Sagar (November 15-16, 2018) |

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| | <p>4. Intercollegiate Biotechnology Events, sponsored by Madhya Pradesh Biotechnology Council, Bhopal at the department of Biotechnology, Dr. H.S.Gour University, Sagar (October 20-21, 2016).</p> <p>5. National seminar on “Science and Technology for National Development” sponsored by The Indian Science Congress Association, Kolkata; at Dr.H.S.Gour Vishwavidyalaya, Sagar (September 23-24, 2016).</p> <p>6. “Summer School in Biotechnology” sponsored by Indian Science Congress Association (Sagar Chapter), at Department of Biotechnology, Dr.H.S.Gour University, Sagar (May 28- June 07, 2016)</p> <p>7. “Scope of Medical Biotechnology” sponsored by IASc, Bangalore; INSA, New Delhi and NASI Allahabad, at Department of Biotechnology, Dr.H.S.Gour University, Sagar (January 21-22, 2016)</p> <p>8. DST-PURSE sponsored workshop on DNA Sequencer and RT-PCR, at Department of Biotechnology, Dr.H.S.Gour University, Sagar (September 17-19, 2015)</p> <p>9. Summer Training Program in Biotechnology, Department of Biotechnology, Dr.H.S.Gour University, Sagar. May 18-29, 2015.</p> <p>10. National Seminar on “Science and Technology for Human Development” sponsored by ISCA, Kolkata and Dr.Harisingh Gour University, Sagar (March 28-30, 2015)</p> <p>11. Intercollegiate Competitive Events in Biotechnology (Sponsored by Madhya Pradesh Biotechnology Council, Bhopal) at Dr. Harisingh Gour University, Sagar. March 26, 2015</p> <p>12. Winter School for science students of M.P., U.P. and Bihar, sponsored by National Academy of Science India, Allahabad (February 16-18, 2015)</p> <p>13. National Seminar on “Innovation in Science and Technology for inclusive development” Sponsored by ISCA at Dr. Harisingh Gour University, Sagar (March 24-25, 2014)</p> <p>14. National seminar on “Forensic science in criminal justice system” February 22, 2014.</p> <p>17. Workshop on Practical training in Biology (Sponsored by NASI, Allahabad) at Govt. Excellence School, Sagar (October 03-04, 2013).</p> |
| International Seminar/Conference/Workshops (Organised) | |
| Year (From 2013 to 2020) | (with topic, date and venue) |
| | 1. International seminar on “Stress and Behaviour” organized by Department of Biotechnology, Dr.H.S.Gour University, Sagar. (February 22, 2017). |
| Research Papers in Proceedings (National Seminar/Conference/Workshops) | |
| Year (From 2013 to 2020) | (with title of the paper, Title of the proceedings vol., name of the publisher, Year, page nos.) |
| | Nil |
| Research Papers in Proceedings (International Seminar/Conference/Workshops) | |
| Year | (with title of the paper, Title of the proceedings vol., name of the publisher, Year, page nos.) |

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| (From 2013 to 2020) | |
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| No. of Patents Filed (with date, title and other details) | |
| Year (From 2013 to 2020) | |
| No. of Patents Awarded (with title and other details) | |
| Year (From 2013 to 2020) | Nil |
| Invited Lectures delivered (<i>Outside University</i>) with title, date and place: | |
| Year (From 2013 to 2020) | <ol style="list-style-type: none"> 1. Jain, Subodh Kumar: HPA axis regulation: Role of oxytocin and vasopressin. North – Eastern Regional Science Congress. National Institute of Technology, Yupia (Arunachal Pradesh), March 11-13, 2013 2. Jain, Subodh Kumar: ACTH and Vasopressin during stress: at ADINA College of Pharmacy, Sagar (2013) 3. Jain, Subodh Kumar: Biotechnology: From Lab. To Land. (Noble College, Sagar) 09.10.2013 4. Jain, Subodh Kumar: Physiology of stress behaviour (Academic Staff College, University of Allahabad. April 05, 2014) 5. Human Genome Project (HGP): Facts and Applications. NASI Workshop at M.K.Ponda Institute of Management, Bhopal. October 15, 2014 6. Wild life conservation. NASI Workshop at M.K.Ponda Institute of Management, Bhopal. October 15, 2014 7. Stress: Physiology and Remediation: ISCA Kanpur Chapter, Kanpur (December 08, 2014). 8. Stress: Physiology and management: Academic Staff College, Dr.H.S.Gour University, Sagar (December 31, 2014) 9. Stress: Physiology, causes and remedy. Academic Staff College, Dr.H.S.Gour University, Sagar (December 16, 2015). 10. Stress: Physiology and Genetics: National Seminar on “Science and Technology for Indigenous Development of India” at DG PG College, Kanpur (January 28-29, 2016). 11. Molecular Marker study for the genetic identification of giant honey bee of Madhya Pradesh. At DBS College, Kanpur (September 29-30, 2016). 12. Another side of Antidiuretic Hormone: Hypothalamo-Pituitary-Adrenal (HPA) axis regulation. National seminar on “Future India: Science and Technology” at DGPG College, Kanpur (November 23-25, 2018). 13. Stress and genetics: National seminar on “Science and Technology for Socio-Economic Development, held at Maharana Pratap Govt. PG College, Gadarwara, M.P. (March 16-17, 2019) 14. National Webinar on “COVID-19: Impact on human health and various potent theraprutic approaches” at S.S. Khanna PG Girls College, Allahabad (June 15-16, 2020). 15. National webinar on 21st century: Research Innovations in Life Science in Relation to Human Welfare, at Govt. Girls Autonomous PG College, Sagar. |

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| | July 27, 2020 |
| No. of Ph.D. Awarded: | 28 |
| No. of Ph.D. Scholars working: | 07 |
| No. of Foreign Visits : | |
| Year (From 2013 to 2020) | Name of the country, Date, Place, Purpose of visit, duration, etc. |
| | Hungary, 2013; Budapest; INSA-HAS International Collaboration/Bilateral Exchange Program. 21 days (2013) |
| Memberships in Academic Bodies: | |
| I. Indian Science Congress Association (Kolkata) II. Indian Society of Cell Biology III. Indian Academy of Neuroscience IV. Zoological Society of India (Kolkata); V. Indian Society of Life Sciences, Kanpur; VI. Indian Institute of Public Administration (IIPA), New Delhi VII. Youth Hostel Association of India, New Delhi VIII. VIBHA, New Delhi | |
| Other Academic Achievements : | |
| (i) Membership of Editorial Boards: National/ International (With details of the journal(s) and duration) | |
| <ul style="list-style-type: none"> • Proceedings of National Academy of Sciences India • Asian Journal of Experimental Science | |
| (ii) Reviewer of the Journal(s) (With details of the journal(s) and duration) | |
| (iii) Membership of the Board of Studies/School Board / Academic Council/ Executive Council (Within/ outside the university) | |
| 1. Department of Zoology, Chemistry, Dr. Harisingh Gour V.V., Sagar | |

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Signature