

Dr. Meeta Jain
Research Articles

1. Meeta Jain and Rekha M. Puranik: "Protective Effect of Reduced Glutathione on Inhibition of Chlorophyll Biosynthesis by Mercury in Greening Maize Leaf Segments". Ind. J. Exp. Biol. 31, 708 (1993). ISSN: 0975-1009 (Online); 0019-5189 (Print).
2. Meeta Jain and Rekha (Puranik) Gadre: "Inhibition of 5-Amino Levulinic Acid Dehydratase Activity by Selenium in Excised Etiolated Leaf Segments during Greening". Ind. J. Exp. Biol. 32, 804 (1994). ISSN: 0975-1009 (Online); 0019-5189 (Print).
3. Meeta Jain, Jot Vyas, and Rekha (Puranik) Gadre: "Effect of Reduced Glutathione on Cadmium induced Inhibition of Chlorophyll Biosynthesis in Excised Maize Leaf Segments". Proc. Natl. Acad. Sci. Ind. 64 BIII, (1994). ISSN: 0369-8211 (print version) ISSN: 2250-1746 (electronic version).
4. Meeta Jain, Mamta Jain and Rekha (Puranik) Gadre: "Inhibition of Chlorophyll Biosynthesis by Selenium in Greening Maize Leaf Segments". Physiol. Mol. Biol. Plants. 2, 159 (1996). ISSN: 0971-5894 (printversion) ISSN: 0974-0430 (electronic version).
5. Meeta Jain and Rekha (Puranik) Gadre: "Effect of As on Chlorophyll and Protein Contents and Enzymic Activities in Greening Maize Tissues". Water, Air and Soil Pollution 93, 109 (1997). ISSN: 0049-6979 (Print) 1573-2932 (Online).
6. Jot Vyas, Meeta Jain and Rekha (Puranik) Gadre: "Effect of Reduced Glutathione on the inhibition of Chlorophyll Biosynthesis by Lead in Excised Greening Maize Leaf Segments". Physiol. Mol. Biol. Plants 3, 77 (1997). ISSN: 0971-5894 (printversion) ISSN: 0974-0430 (electronic version).
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9. Meeta Jain and Rekha Gadre: "Inhibition of Chlorophyll Biosynthesis by Mercury in Excised Etiolated Maize Leaf Segments during Greening: Effect of 2-Oxoglutarate". Ind. J. Exp. Biol. 42, 419 (2004). ISSN: 0975-1009 (Online); 0019-5189 (Print).
10. Meeta Jain, Monika Pal, Priyanka Gupta and Rekha Gadre: "Effect of Cadmium on Chlorophyll Biosynthesis and Enzymes of Nitrogen Assimilation in Greening Maize Leaf Segments: Role of 2-Oxoglutarate". Ind. J. Exp. Biol. 45, 385 (2007). ISSN: 0975-1009 (Online); 0019- 5189 (Print).
11. Meeta Jain and A.S. Raghavendra: "Effect of Osmotic Stress on Production of Hydrogen Peroxide in Pea (*Pisum sativum*) Leaves and its Relationship to Shrinkage". The Journal of Plant Science Research. 23(1-2), 87 (2007). ISSN: 0970-2539; eISSN: 0976-3880.
12. Meeta Jain, Anuradha Kaushal, Priyanka Gupta and Rekha Gadre: "Osmotic stress Induced Reduction in Chlorophyll Formation in Bean Leaf Discs". The Journal of Plant Science Research. 25 (1), 53 (2009). pISSN: 0970-2539; eISSN: 0976-3880.

13. Sangeeta Jain, Meeta Jain and C. S. Sharma: "Effect of Yoga and Relaxation Techniques on Cardiovascular System". Indian Journal of Physiology and Pharmacology 54(2):183-185 (2010). ISSN: 0019-5499.
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16. Juliana Sarangthem, Meeta Jain and Rekha Gadre: "Inhibition of δ -Aminolevulinic Acid Dehydratase Activity by Cadmium in Excised Etiolated Maize Leaf Segments during Greening". Plant, Soil and Environment 57(7): 332-337 (2011). ISSN 1214-1178(Print) ISSN 1805-9368 (On-line).
17. Bapna R.S., Bhargava S., Singh C.P. and Jain M. "A Study on Evaluation of Correlation between Different Therapy Options, Inhalation-Devices, Methods of Devices and Safety Outcome in COPD Patients". Research Journal of Chemistry and Environment, Vol.15 (2): 724-729, June (2011). ISSN: 0972-0626.
18. Prakash Malviya, S.V. Sai Prasad, Meeta Jain and Amit Gautam: "Assessing grain yield and its components in durum wheat using canopy temperature as selection parameter under early heat stress conditions". Progressive Research 7 (special): 122-126 (2012). Print ISSN: 0973-6417 Online ISSN: 2454-6003.
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25. Meeta Jain, Arpita Shrivastava, Prakash Malviya and Jayesh Vaishnav. "Comparative evaluation of biochemical characteristics in three genotypes of Maize (*Zea mays*)". Indian Journal of Agricultural Biochemistry 28 (1): 61-64 (2015). ISSN: 0970- 6399.
26. Jayesh Vaishnav and Meeta Jain. "Influence of halopriming and hydropriming on seed germination and growth characteristics of *Zea mays* L. cv. GSF-2 under salt stress".

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31. Influence of Selenium Supplementation on δ -Aminolevulinic Acid Formation in Greening Maize Leaf Segments. Meeta Jain, Mahija Panwar and Rekha Gadre: *Research Journal of Phytochemistry*, 11 (3): 111-117, 2017. eISSN: 2151-6081, pISSN: 1819-3471
32. Modulation of δ -Aminolevulinic Acid Dehydratase Activity by the Sorbitol Induced Osmotic Stress in Maize Leaf Segments. M. Jain, S. Tiwary, and R. Gadre: *Biochemistry (Moscow)*, 2018, Vol. 83, No. 1, pp. 32-36. ISSN: 0006-2979.

Book Chapters

1. Sunita Kataria, Meeta Jain, Anshu Rastogi, Marek Živčák, Marian Brestic and Durgesh Kumar Tripathy (2018). Role of Nanoparticles on Photosynthesis: Avenues and applications. In: *Nanomaterials in Plants, Algae and Microorganisms: Concepts and Controversies*. Volume 2. 103-127. Editors: Parvaiz Ahmed, Durgesh Tripathy, D.K. Chouhan, N.K. Dubey and Shivesh Sharma. Publisher: Elsevier Incorporation. ISBN: 978-0-12-811488-9.
2. Sunita Kataria, Meeta Jain (2018) Magnetopriming alleviates adverse effects of abiotic stresses on plants.. In: *Plant Tolerance to Environmental Stress: Role of Exogenous Phytoprotectants*. Editors: Mirza Hasanuzzaman, Masayuki Fujita, Hirosuke Oku and Md. Tofazzal Islam. Publisher: Taylor & Francis Group, LLC, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, Florida 33487, U.S.A.(In Press).
3. Sunita Kataria, Meeta Jain, Mansi Kanungo and Sonika Sharma. Wheat responses and tolerance to UV-B radiation: an Overview (2018). In: *Wheat Production in Changing Environments -Management, Adaptation and Tolerance*. Editors: Editors: Dr. Mirza Hasanuzzaman, Dr. Kamrun Nahar and Dr. Amzad Hossain Publisher: Springer Nature, Singapore. 2018 (In Press).
4. Prakash Malviya, S.V. Sai Prasad, Meeta Jain and Divya Ambati. Canopy Temperature as Selection Parameter for improving Grain Yield under early Heat Stress conditions in Durum Wheat (2018). *Multilogic in Science*, VOL. VIII, ISSUE XXVII, OCT 2018. ISSN No. 2277-7601.
5. Meeta Jain*, Sunita Kataria, Mamta Hirve and Rajkumar Prajapati. Water Deficit Stress Effects and Responses in Maize. In: *Plant abiotic stress tolerance- Agronomic, molecular and biotechnological approaches* (2018). Editors: Mirza Hasanuzzaman,

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