
RITA PAUL



NAME: DR. RITA PAUL

Date of joining: 08.04.2005

Designation: Assistant Professor in Botany

Specialization: Cytogenetics and Plant Breeding

List of papers published in journals (08.04.2005 – till date)

1. **Paul R**, Datta AK. Gamma-rays and EMS induced macromutants in Celery (*Apium graveolens* L.), Fennel (*Foeniculum vulgare* Mill.) and Ajowan (*Trachyspermum amni* L.). J Phytol Res **2005**; 18(1): 95-98. ISSN No. 0970-5767.
2. **Paul R**, Datta AK. Mutagenic efficiency and effectiveness of gamma-rays and EMS in some seed spices. J Cytol Genet **2006**; 7(NS): 91-99. ISSN No. 0253-7605.
3. **Paul R**, Datta AK, Majumder D. Quantitative evaluation in induced macromutants in Celery (*Apium graveolens*) and Ajowan (*Trachyspermum amni* L.). Int J Plant Sci **2006**; 1(1): 24-26. ISSN No. 0973-1547.
4. **Paul R**, Datta AK. Seed protein profiles in Celery (*Apium graveolens*) and Ajowan (*Trachyspermum amni* L.) plant types. Int J Plant Sci **2006**; 1(1): 36-38. ISSN No. 0973-1547.
5. Chowdhury S, Datta AK, Saha A, Sengupta S, **Paul R**, Maity S, Das A. Traits influencing yield in sesame (*Sesamum indicum* L.) and multilocal trials of yield parameters in some desirable plant types. Ind J Sci Technol **2010**; 3(2): 163-166. ISSN No. 0974-6846.
6. Datta AK, Mandal A, Ghosh BK, Saha A, Sengupta S, **Paul R**, Dubey PK. Meiotic novelty in *Rhoeo spathacea* var. Bicolor (Swartz) Stearn (Commelinaceae). J Pl Dev Sci **2010**; 2(3&4): 77-82. ISSN No. 0974-6382.
7. **Paul R**, Datta AK. An updated overview on *Solanum xanthocarpum* Schrad and Wendl. Int J Res Ayurveda Pharm **2011**; 2(3): 730-735. ISSN No. 2229-3566.
8. Ghosh BK, Datta AK, Mandal A, **Paul R**. Cytological and palynological aspects and andrographolide content in *Andrographis paniculata*. J Trop Med Plants **2011**; 12(1): 71-76. ISSN No. 1511-8525.

9. **Paul R**, Datta AK, Mandal A, Ghosh BK, Halder S. Snake bite, Snake venom, Anti-venom and Herbal antidote – a review. *Int J Res Ayurveda Pharm* **2011**; 2(4): 1060-1067. ISSN No. 2229-3566.
10. **Paul R**, Datta AK. An updated overview on Peppermint (*Mentha piperita* L.). *Int Res J Pharm* **2011**; 2(8): 1-10. ISSN No. 2230-8407.
11. **Paul R**, Datta AK. An updated overview on *Atropa belladonna* L. *Int Res J Pharm* **2011**; 2(11): 11-17. ISSN No. 2230-8407.
12. Datta AK, Mandal A, da Silva JAT, Saha A, **Paul R**, Sengupta S, Dubey PK, Halder S. An updated overview on *Aloe vera* (L.) Burm. F. *Medicinal Aromatic Plant Sci Biotech* **2012**; 6(1): 1-11. ISSN No. 1752-3389.
13. **Paul R**, Mandal A, Datta AK. An updated overview on *Cynodon dactylon* (L.) Pers. *Int J Res Ayurveda Pharm* **2012**; 3(1): 11-14. ISSN No. 2229-3566.
14. **Paul R**, Mandal A, Datta AK. Karyomorphological studies in four seed spices of Umbelliferae. *J Pl Dev Sci* **2012**; 4(2): 191-194. ISSN No. 0974-6382.
15. **Paul R**, Mandal A, Datta AK. Cumin (*Cuminum cyminum* L.; Umbelliferae) cultivation in West Bengal plains, Kalyani, Nadia. *Int Res J Pharm* **2012**; 3(2): 202-205. ISSN No. 2230-8407.
16. Datta AK, Mandal A, Bhattacharya A, Saha A, **Paul R**. *Rhoeo spathacea*: A cytogenetical review. *Int J Res Ayurveda Pharm* **2012**; 3(2): 151-158. ISSN No. 2229-3566.
17. Datta AK, Saha A, Bhattacharya A, Mandal A, **Paul R**, Sengupta S. Black Cumin (*Nigella Sativa* L.) – A review. *J Pl Dev Sci* **2012**; 4(1): 1-43. ISSN No. 0974-6382.
18. Mandal A, Datta AK, Gupta S, **Paul R**, Saha A, Ghosh BK, Bhattacharya A, Iqbal M. Cyto mixis – a unique phenomenon in animal and plant. *Protoplasma* **2013**; 250: 985-996. DOI: 10.1007/s00709-013-0493-z. ISSN No. 0033-183X. IF – 3.171.
19. Das SK, Mandal A, Datta AK, Gupta S, **Paul R**, Saha A, Sengupta S, Dubey PK. Nucleotide Sequencing and Identification of Some Wild Mushrooms. *The Scientific World Journal* **2013**; 2013: 1-7. Article ID 403191. DOI: 10.1155/2013/403191. ISSN No. 1537-744X. IF – 1.730.
20. Das SK, Mandal A, Datta AK, Das D, **Paul R**, Saha A, Sengupta S, Gupta S, Halder S. Identification of Wild Edible Mushrooms from Tropical Dry Deciduous Forest of Eastern Chota Nagpur Plateau, West Bengal, India. *Proc. Natl. Acad. Sci.* **2015**; 85: 219-232. DOI: 10.1007/s40011-014-0330-y. ISSN No. 0369-8211. IF – 0.396.
21. Datta AK, Mandal A, Das D, Gupta S, Saha A, **Paul R**, Sengupta S, Halder S, Biswas S. Polyploidy in angiosperms: genetic insight to the phenomenon. *Proc. Natl. Acad. Sci.* **2015**; DOI 10.1007/s40011-015-0523-z. ISSN No. 0369-8211. IF – 0.396.
22. **Paul R**. Influence of hardening off period and temperature on Cauliflower yield. *The Global Journal of Environmental Science and Research* **2015**; 2(1): 47-49. ISSN No. 2349-7335.
23. Datta AK, Mandal A, Das D, Gupta S, Saha A, **Paul R**, Sengupta S. "B Chromosomes in angiosperm – a review". *Cytol. Genet.* **2016**; 50(1): 60-71. ISSN No. 0095-4527. IF – 0.379.

1. Paper entitled “Scarcity of Cumin cultivation in West Bengal” in UGC sponsored National Seminar on ‘Essence of Medicinal Plants- its cultivation, conservation & sustainable exploration’ organized by Vivekananda Mahavidyalaya, Hooghly on 9th December, **2011**.
2. Paper entitled “Factors causing buttoning of cauliflower” in International symposium on ‘Trends in plant science research’ organized by University of Calcutta from 15th-16th February, **2014**.
3. Paper entitled “Variation in andrographolide content in different agro-climatic conditions” – in National Seminar on ‘Opportunities in Medicinal Plant Research’ organized by Society for Ethnopharmacology and School of Natural Product Studies, Jadavpur University from 29th – 30th November, **2014**.
4. Paper entitled “A glimpse of some amazing Orchids” in National symposium on ‘Plant Diversity: Structure, Function, Utilization and Conservation’ organized by Botanical Society of Bengal and University of Calcutta from 4th-6th December, **2014**.
5. Paper entitled “Bryophytes - the bio-monitor of environment” in National Seminar on ‘Cryptogamic Botany – Amazing Cryptogams: Learning to know’ organized by University of Kalyani from 18th – 19th December, **2014**.
6. Paper entitled “Probable factors for some curd disorders of Cauliflower” in International Conference on ‘Environment and Ecology’ organized by Foundation for Science and Environment, Kolkata; Scientific and Environmental Research Institute, Kolkata; Indian Institute of Ecology and Environment, New Delhi from 2nd – 4th March, **2015**.
7. Paper entitled “A concise overview of some plant resources for healthy living (?)” in UGC sponsored National Conference on ‘Environmental impacts on health: towards a better future’ organized by Bangabasi morning college, Kolkata from 27th – 28th March, **2015**.
8. Paper entitled “Deception – a bizarre cue to biodiversity” in UGC-CPE sponsored National Seminar on ‘Environment, Ethics & Evaluation’ organized by Bijoy Krishna Girls’ College, Howrah from 23rd – 24th November, **2015**.
9. Paper entitled “Exploration of folk knowledge about synergistic effect of *Bryophyllum pinnatum* leaf extract in curing lithiasis” in National Seminar on ‘Integrated Approaches for Promotion and Development of Herbal Medicine’ organized by Society for Ethnopharmacology and School of Natural Product Studies, Jadavpur University from 5th – 6th December, **2015**.

Participation in Training Courses, Teaching-Learning – Evaluation, Technology Programmes, Faculty Development Programmes (08.04.2005 – till date)

1. UGC sponsored orientation programme from 27th January – 24th February, **2009** organized by UGC-ASC, Jadavpur University.
2. UGC sponsored Workshop entitled “Workshop on Basic Skills of Counseling” from 28th – 31st October, **2009** organized by UGC-ASC, Jadavpur University.
3. UGC sponsored refresher course from 6th – 28th December, **2010** organized by UGC-ASC, University of Calcutta.
4. Workshop on Basic Techniques of Molecular Biology from 14th -21st May, **2014** organized by University of Calcutta.

5. Summer Training Programme from 27th June -12th July, **2014** organized by University of Kalyani.

Participation in Seminar/Conference/Workshop (without paper)

1. 10th February, **2006** – UGC sponsored Seminar on “Contemporary Research in Biological Science” organized by Bethune College, Kolkata.
2. 19th December, **2006** – UGC sponsored regional Seminar on “Strategies for Motivating Students towards Basic Studies” organized by Basanti Devi College, Kolkata.
3. 18th – 19th April, **2007** – UGC sponsored state level Seminar on “Development: Social Opportunities and Public Policy” organized by Department of Political Science, Charuchandra College, Kolkata.
4. 24th November, **2007** – National Seminar on “National Knowledge Commission – New Commandments in Higher Education” organized by WEBCUTA.
5. 11th – 13th October, **2008** – International Seminar on “Multidisciplinary Approaches in Angiosperm Systematics” organized by Department of Botany, University of Kalyani.
6. 18th November, **2008** – UGC sponsored state level Seminar on “Peace, Non-violence and Conflict Resolution: A Gandhian Overview” organized by Deshbandhu College for Girls, Kolkata.
7. 21st – 22nd November, **2008** – UGC sponsored National Seminar on “Recent Advances in Genetics & Molecular Biology, Biotechnology and Bioinformatic” organized by Vidyasagar College, Kolkata.
8. 20th March, **2009** – UGC sponsored State level Seminar on “Developments, Opportunities and Challenges for Plant Science in Modern India” organized by New Alipore College, Kolkata.
9. 18th – 19th January, **2010** – UGC sponsored Seminar-cum-Workshop on “Literature through Language: A Pedagogical Implication” organized by Department of English and Bengali, Charuchandra College, Kolkata.
10. 23rd March, **2010** – UGC sponsored State level seminar on ‘illiteracy, Poverty – Causes of Girl Trafficking and Violence in West Bengal’- organized by Deshbandhu College for Girls, Kolkata.
11. 9th September, **2011** – UGC sponsored State level Seminar on “West Bengal Economy: Shifting Paradigm” organized by Department of Economics, Charuchandra College, Kolkata.
12. 11th-12th January, **2012** – UGC sponsored National seminar on ‘Plant Science Research in Human Welfare’ – organized by Bidhannagar College, Kolkata.
13. 4th-6th February, **2012** – UGC, CSIR, DST sponsored National conference on ‘Biodiversity: Threats and Conservation Through Traditional and Biotechnological Approaches’ – organized by Dum Dum Motijheel College, Kolkata.
14. 14th February, **2012** – UGC sponsored State level Seminar on “Marine Biodiversity: its Basic and Applied Aspects” organized by Department of Zoology, Charuchandra College, Kolkata.
15. 24th & 25th October, **2013** - Workshop on B.Sc. Botany Honours Part-III Practical For College Teachers – organized by C.U. (centenary Celebration).

16. 18th July, **2014** – One day seminar on ‘Budget 2014’- organized by Department of Economics and Department of Political Science, Charuchandra College, Kolkata.
17. 12th August, **2014** – Regional workshop on Career Advancement Scheme (CAS) - organized by Scottish Church College, Kolkata.
18. 11th November, **2014** – UGC sponsored State level seminar on ‘Empowerment of Women: Some Issues, Challenges and Debates; 20th -21st century’- organized by K.K. Das College, Kolkata.
19. 20th December, **2014** – National seminar on ‘Trends in Contemporary Indian Historical Studies: Crises & Transition’ – organized by Mahadevananda Mahavidyalaya.
20. 25th April, **2015** – UGC sponsored State level seminar on Environmental pollution: causes, impacts & control – organized by The Bhawanipur Education Society College, Kolkata.
21. 5th June, **2015** - One day seminar on ‘World Environment Day 2015’- organized by Foundation for Science and Environment, Kolkata; Scientific and Environmental Research Institute, Kolkata.
22. 18th August, **2015** – National seminar on ‘Plagiarism and related aspects’- organized by Ramkrishna Mission Vivekananda Centenary College, Rahara, Kolkata.
23. 5th September, **2015** – National seminar on ‘Higher Education: What India needs?’ – organized by International Benevolent Research Foundation, Kolkata.
24. 18th September, **2015** - ‘UGC sponsored State level seminar on ‘Women’s Empowerment and New Media’ – organized by Shri Shikshayatan College in collaboration with Muralidhar Girls’ College, Kolkata.
25. 28th September, **2015** - User awareness programme on ‘Access to e-resources under UGC INFONET Digital Library Consortium’ – organized by University of Kalyani.
26. 11th January, **2016** – International seminar on ‘Good Health Care: Issues and Approaches’ – organized by Dum Dum Motijheel College, Kolkata.
27. 20th – 21st January, **2016** – UGC sponsored workshop on ‘Indigenous People and Human Rights’ – organized by Basanti Devi College, Kolkata.