

PERSONAL PROFILE



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List of Research Papers in National/International Journal:

1. Chemical induced regulation of detached leaf senescence of a few ecologically diversified plants; **C. K. Pati** and A. Bhattacharjee, *Environment and Ecology*, **2003**, 21(3): 607-611.
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4. Problem of seed storage of grass pea and black gram cultivars under stressful storage environment; **C. K. Pati**, V.K. Mishra and A. Bhattacharjee, *Journal of Science and Technology*, **2004**, Vol. XVI (A): 11-18.
5. Invigouration of deteriorating Indian bean seeds by some plant extracts; S. K. Das, **C. K. Pati**, A. Bhattacharjee and P. K. Saha, *Science and Culture*, **2004**, 70(3-4): 167-168.
6. Herbal regulation of plant growth and metabolism of two minor pulse crops ;V.K. Mishra, **C. K. Pati** and A. Bhattacharjee, *Agricultural Science Digest*, **2004**, 24(4):295-297.
7. Technique for storage longevity of mung bean and sunflower seeds using sodium dikegulac and *Eucalyptus* oil; A. Bhattacharjee, U. K. Kanp, D. Chakrabarti and **C. K. Pati**, *Bangladesh Journal of Botany*, **2006**, 35(1): 55-61.
8. Retention of seed storage potential of pea and green gram cultivars using selected chemicals ; **C. K. Pati** and A. Bhattacharjee , *Indian Agriculturist*, **2008**, 52 (3&4):113-116.
9. Effect of plant extracts on alleviation of deterioration of seed germination and enhancement of plant potential of a gram species; **C. K. Pati** and A. Bhattacharjee, *Indian Journal of Biological Sciences*, **2008**, 13: 13-18.
10. Herbal-induced regulation of seed vigour and plant potential of a safflower cultivar; **C. K. Pati** and A. Bhattacharjee , *Botanical Society of Bengal*, **2009**, 63 (1): 41-45.
11. Assessment of plant potential with relation to soil properties in different forest zones of Midnapur and Jhargram sub-divisions, West Bengal; P. K. Shit, **C. K. Pati** and S. K. Jana, *Indian Journal of Geography and Environment*, **2010**, 11: 64-71.
12. An investigation for methodological framework to select grass roots for controlling rill and gully erosion in lateritic area in West Bengal, India ; P. K. Shit, R. Maiti and **C. K. Pati**, *Indian Science Cruiser*, **2011**, 25 (2): 32-37.
13. Alleviation of seed deterioration and enhancement of plant potential of a pea species using selected medicinal plant extracts; **C. K. Pati** and A. Bhattacharjee , *Journal of Medicinal Plants Research*, **2011**, 5(17): 4108-4111.
14. Extention of seed viability of a green gram cultivar by chemical manipulation; **C. K. Pati** and A. Bhattacharjee, *Wesleyan Journal of Research*, **2011**, 4(2) Special Issue: 97-104.
15. Chemical manipulation of seed invigouration and plant potentiation of two promising pulse crops under stressful storage condition ; **C. K. Pati** and A. Bhattacharjee, *Indian Journal of Biological Sciences*, **2011**, 17: 15-22.
16. Sunflower seed invigoration by chemical manipulation; **C. K. Pati** and A. Bhattacharjee, *Agricultural Journal*, **2012**, 7(1): 26-31.

17. Seed invigouration and plant potentiation of two pulse crop cultivars under stressful storage condition; S. Ojha, **C. K. Pati** and A. Bhattacharjee, *Journal of Botanical Society of Bengal*, **2012**, 66(1):63-67.
18. Non-Timber Forest Products for Livelihood Security of Tribal Communities: A Case Study in Paschim Medinipur District, West Bengal; P. K. Shit and **C. K. Pati** , *Journal of Human Ecology*,**2012**,40(2): 149-156.
19. Seed potentiation of a horse-gram cultivar by herbal manipulation ; **C. K. Pati** and A. Bhattacharjee, *International Journal of Medicinal Plants Research*, **2013**, 2 (1): 152-155.
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21. Cultivation of a high altitude crop chayote (*Sechium edule* Sw.) in plain lands through hormonal manipulation; T.K. Dolui, **C. K. Pati** and A. Bhattacharjee, *International Journal of Science and Knowledge*,**2013**, 2(1):47-51.
22. Evaluation of allelopathic potential of an aromatic exotic tree, *Melaleuca leucadendron* L. ; S. Ojha , **C. K. Pati** and A. Bhattacharjee , *African Journal of Plant Science*,**2013**, 7(11):558-560.
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24. Prolongation of seed vigour of maize species under stressful storage environment using selected chemicals; **C. K. Pati** and A. Bhattacharjee, *Indian Journal of Research in Multidisciplinary Studies*, **2014**, 1(1):16-22.
25. Seed Invigouration and Potentiation of Maize (*Zea mays*) by Chemical Manipulation; M. Aditya, **C. K. Pati** and A. Bhattacharjee, *Science and Culture*, **2014**,80(5-6):169-172.
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27. Techniques for storage potentiation of crop seeds under global eco-climatic change; **C. K. Pati** and A. Bhattacharjee, *Eco-Focus News Letter*,**2016**, 4(1-2):25-26.
28. Seed potentiation of a green gram species under storage; **C. K. Pati**, *Indian Agriculturist*, **2016**, 60 (3&4):129-132.

29. Storage Potentiation of a pea seed species under accelerated ageing condition; **C. K. Pati** and A. Bhattacharjee, *International Journal on Agricultural Sciences.*, **2017**,8 (1):30-34.
30. Seed potentiation of lentil by herbal manipulation; S. Ojha, **C. K. Pati** and I. Mondal, *Journal of Pharmacognosy and Phytochemistry*, **2018**,7 (4):3274-3276.
31. Effect of CCC and IAA on viability extension of lentil seeds; S. Ojha, **C. K. Pati** and T. Choudhury, *International Journal of Pharmacy and Biological Sciences*, **2018**,8 (3):531-535.
32. Chemical-induced seed germination and enhancement of seed potential of seven wild plant taxa of Ericaceae in India; **C. K. Pati**, A. Bhattacharjee, P. Roy., D. S. Mahanty and S. Panda, *World Scientific News*, **2018**, 114:249-255.
33. Technique for retardation of leaf senescence of six ericoid wild plant taxa using ascorbic acid; S. Panda, **C. K. Pati**, A. Bhattacharjee and S. Samanta, *World Scientific News*, **2018**, 115:128-137.
34. Enhancement of plant potential by chemical manipulation; **C. K. Pati**, *Indian Science Cruiser*, **2019**, 33(1):22-24.
35. Seed potentition and enhancement of plant potential of a mungbean species using plant extracts; **C. K. Pati**, *World Scientific News*,**2019**, 131:268-271.
36. Retention of seed potential of a black gram (*Vigna mungo* L.) species under ambient storage; **C. K. Pati**, *Journal of Pharmacognosy and Phytochemistry*, **2019**, 8(4):2085-2087.
37. Prolongation of seed viability under storage; **C. K. Pati**, *World Scientific News*, **2019**, 132:256-263.
38. Viability extension of a grass pea seed species under ambient storage using selected chemicals; **C. K. Pati**, *International Journal of Pharmacy and Biological Sciences*, **2019**, 9 (3):868-888.
39. Storage potentiation of seeds under ambient agro-climatic condition; **C. K. Pati**, *Indian Science Cruiser*, **2019**, 33(5):31-32.
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43. Allelopathic effect of *Fagopyrum* plant extracts on crop seed species; S. Ojha, **C. K. Pati** and M. Sen, *Science and Culture*, **2020**, 86(3-4):113-115.

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46. Enhancement of Seed Potential under Forced Ageing using Selected Plant Extract; **C. K. Pati**, *Modern Concepts & Developments in Agronomy*,**2022**, 11(3):1113-1114.
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49. Seed Potentiation of a Black Gram Species under Storage; **C. K. Pati**, *Modern Concepts & Developments in Agronomy*, **2023**, 13(3):1281-1283.
50. Herbal Manipulated Seed Potentiation of a Medicinal Legume; **C. K. Pati**, *Modern Concepts & Developments in Agronomy*, **2024**, 14(4):1411-1413.
51. Seed storage potentiation under forced ageing condition; **C. K. Pati**, *American Journal of Life Sciences*, **2024**, 12(6):153-156.

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1. **C. K. Pati** and A. Bhattacharjee; *Chemical Manipulation for Storage Potentiation of Crop Seeds*, LAP LAMBERT Academic Publishing, GERMANY, **2013**, (ISBN: 978-3-659-38761-6).
2. **C. K. Pati** and A. Bhattacharjee; Enhancement of Seed Potential Using Selected Medicinal Plant Extracts During Storage, *In Eco-Conservation and Sustainable Living*, C. Gurung and J. B. Bhandari Edited, Narosa Publishing House Pvt. Ltd., New Delhi, INDIA, **2013**, pp.221-230, (ISBN: 978-81-8487-216-3).
3. **C. K. Pati** and A. Bhattacharjee ; Storage potentiation of a black gram seed species by herbal manipulation. *In Plants the Natural Wonder: Challenges and Avenues* ,Sunita Bandopadhyay (Mukhopadhyay), Dipak Kumar Hens and Partha Sarathi De Edited. Published by Damodar Group, Burdwan, West Bengal, India, **2017**, pp.97-104, (ISBN: 978-93-85775-06-2).
4. **C. K. Pati** and A. Bhattacharjee ; Storage techniques of crop seeds: an immerging issue in the global environmental change. *In Environmental Education-A need of the day* ,Dr. Sayantan Mondal, Prof. Nityananda Patra and Prof. Goutam Mandal Edited, Published by

KABITIKA, Paschim Medinipur, West Bengal, India, **2017**, pp.93-99,(ISBN: 978-93-81554-25-8).

Seminars/Conferences Proceeding Abstracts:

A. *Proceedings (in International and National Symposium/Conferences):*

1. Enhancement of storage longevity of safflower seeds by some plant extracts under adverse storage environment; S. K. Das, **C. K. Pati**, A. Bhattacharjee and P. K. Saha , *Proceedings of the National Conference on Recent Environmental Challenges-its Impact on Health, Agriculture and Ecosystem*, S.C. Santra ed., University of Kalyani, India, **2003**, pp. 30-35.
2. Problems and prospects of grass pea (*Lathyrus sativus*) cultivation in India; **C. K. Pati** and A. Bhattacharjee, *Proceedings of the State Level Seminar on Impact of Civilization on Environment*, Jhargram Raj College, Jhargram, West Bengal, India, **2004**, pp. 173-174.
3. Na-dikegulac, a novel chemical for enhancement of seed storage potential and seedling health of two pulse crops; A. Bhattacharjee, **C. K. Pati**, U. K. Kanp, R. K Das and D. Chakrabarti, *Proceedings of the The BCPC International Congress, Crop Science and Technology* **2005**, Glasgow, Scotland, UK, Vol. 1:223-228.
4. An emerging issue for the rain water harvesting and management in West Bengal using Remote Sensing and GIS Technology; **C. K. Pati** and P. K. Hait, *Proceedings of the National Seminar on a New Geo-Historical Approach to Modern Environmental Issues*. Pingla Thana Mahavidyala, Maligram, West Bengal, India, **2010**, pp.56-60.

B. *Abstract papers (in International and National Symposium/Conferences):*

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Conference on Recent Environmental Changes-its Impact on Health, Agriculture and Ecosystem, University of Kalyani, India, August 6-7,2003.

4. Retention of vigour and viability of safflower seeds by herbal methods under adverse storage environment; S. K. Das, **C. K. Pati**, A. Bhattacharjee and P. K. Saha, *National Workshop on Seed Sector Perspective for Jute and Allied Fibre Crops*, Central Research Institute for Jute and Allied Fibres (ICAR), Barrackpore, West Bengal ,India, September, 23-24,**2003**.
5. Effect of sodium dikegulac and ascorbic acid on maintenance of storage potential of black gram and grass pea seeds under stressful storage environment; **C. K. Pati**, V. K. Mishra and A. Bhattacharjee, *National Workshop on Seed Sector Perspective for Jute and Allied Fibre Crops*, Central Research Institute for Jute and Allied Fibres (ICAR), Barrackpore, West Bengal India, September 23-24, **2003**.
6. Chemical regulation of plant growth and metabolism of two important pulse crops ; V. K. Mishra, **C. K. Pati** and A. Bhattacharjee, *National Workshop on Seed Sector Perspective for Jute and Allied Fibre Crops*, Central Research Institute for Jute and Allied Fibres (ICAR), Barrackpore, West Bengal, India, September 23-24,**2003**.
7. Role of AM fungi in reclamation of anthropogenic degraded site; **C. K. Pati** and S. Nath, *National Seminar on Rehabilitation of Lands under Anthropogenic Stress and Degradation*, Institute of Forest Productivity (Indian Council of Forest Research & Education, ICFRE), Ranchi, Jharkhand, January 20, **2004**.
8. Medicinal importance and herbal preservation of black gram seeds; V. K. Mishra, **C. K. Pati** and A. Bhattacharjee, *XIth West Bengal Science and Technology Congress*, Department of Science & Technology, Govt. of West Bengal, India, February 28-29,**2004**.
9. Storage potential of black gram and grass pea seeds under stressful environment by chemical and herbal manipulation; **C. K. Pati**, V.K. Mishra and A. Bhattacharjee, *National Conference on Plants, Microbes and Environment: Issues and Challenges*. Department of Botany, University of Burdwan, India, March 20-21, **2004**.
10. Chemical conditioning of horse gram (*Dolichos biflorus* L.) seeds for enhancement of storage vigour; V. K. Mishra, **C. K. Pati** and A. Bhattacharjee, *National Conference on Plants, Microbes and Environment: Issues and Challenge*. Department of Botany, University of Burdwan, India, March 20-21, **2004**.

11. Regulatory action of ascorbic acid and Na-dikegulac on detached leaf senescence of black gram; **C. K. Pati**, V.K. Mishra and A. Bhattacharjee, *National Seminar on Recent Advances in Plant Sciences*, Department of Botany & Forestry, Vidyasagar University, India, March 30-31, **2004**.
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14. Enhancement of plant potential of horse gram by herbal manipulation; V. K. Mishra, **C. K. Pati** and A. Bhattacharjee, *National Seminar on Disaster and its Management: Perspective and Future Approaches*, Krishnanagar Government College, Nadia, West Bengal, India, April 16-17, **2004**.
15. Chemical-induced seed potentiating and field performance of grass pea and black gram cultivars; A. Bhattacharjee, **C. K. Pati** and V. K. Mishra, *27th ISTA Congress Seed Symposium*, Budapest, Hungary, May 17-19, **2004**.
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17. Enhancement of plant potential of *Vigna* and *Lathyrus* by chemical manipulation; **C. K. Pati**, V.K. Mishra and A. Bhattacharjee, *National Conference-cum-Workshop on Scientific Growing, Socio-economic Value and Proper Utilization of Medicinal and Aromatic Plants for the Welfare of the Rural People*. Department of Botany, B.N. Mahavidyalaya, Hooghly, West Bengal, India, February 25-27, **2005**.
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19. A research for viability extension of crop seeds; **C. K. Pati** and A. Bhattacharjee, *Seminar on Research in Higher Education*. Vidyasagar University Research Scholars Association (VURSA), West Bengal, India, May 13, **2005**.
20. Studies on performance and chemical-induced enhanced productivity of safed musli (*Chlorophytum borivilianum*) in the agroclimatic zone of South West Bengal; J. Bhar, **C. K. Pati**, A. Bhattacharjee and P. K. Saha, *National Conference on Current Researches in Plant and Microbial Sciences*. University of Burdwan, India, November 26-27, **2005**.
21. Hormonal manipulation of growth, metabolism and yield of chayote (*Sechium edule* Sw.) in a stressful agroclimatic zone; T. K. Dolui, **C. K. Pati**, U.K. Kanp, D. Chakrabarti and A. Bhattacharjee, *National Conference on Current Researches in Plant and Microbial Sciences*. University of Burdwan, India, November 26-27, **2005**.
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23. Technique for storage longevity of mung bean and sunflower seeds using sodium dikegulac and *Eucalyptus* oil; A. Bhattacharjee, U. K. Kanp, D. Chakrabarti and **C. K. Pati**, *Third International Botanical Conference*, The Bangladesh Botanical Society, University of Dhaka, Bangladesh, December 09-11, **2005**.
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25. Technique for storage potentiation of seeds and enhancement of plant vigour of a black gram cultivar by chemical manipulation; **C. K. Pati**, U. K. Kanp and A. Bhattacharjee, *National Conference on Plant and Microbial Diversity: Prospects and Potentials*, Department of Botany, Visva-Bharati University, India, December 17-19, **2005**.
26. Storage potentiation of grass pea and black gram seed cultivars by chemical manipulation; **C. K. Pati** and A. Bhattacharjee, *XII National Seed Seminar on Prosperity Through Quality Seed*.

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44. Effect of phytohormones on cultivation of chayote (*Sechium edule* SW.) in plain lands of West Bengal; T. K. Dolui, **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Seminar on plant Diversity: Aspects and Prospects*. Department of Botany & Forestry, Vidyasagar University, India, March 09-10, **2011**.
45. Cultivation practices of an ethnomedicinal important vegetable crop chayote (*Sechium edule* SW.) in plain lands of West Bengal; T. K. Dolui, **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Seminar on Modern Ethnobotany: Its Concepts and Relevances*. Department of Botany, Garhbeta College, Midnapur, West Bengal, India, November 08-09, **2011**.
46. Chemical manipulation for prolongation of seed vigour of an ethno medicinal seed species Horse-gram (*Dolichos biflorus* L.) under stressful storage environment; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Seminar on Modern Ethnobotany: Its Concepts and Relevances*. Department of Botany, Garhbeta College, Midnapur, West Bengal, India, November 08-09, **2011**.
47. Prolongation of seed vigour of an ethno medicinal seed species Horse-gram under accelerated ageing condition using selected chemicals; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored One day State Level Seminar on Green Medicine; Its Concepts and Relevance to Modern Medicine*. Chandrakona Vidyasagar Mahavidyalaya, Midnapur, West Bengal, India, February 09, **2012**.

48. Modern technique for enhancement of seed potential of a medicinal pulse crop cultivar Horse-gram by herbal manipulation, **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored Two Day National Level Seminar on Modern Trends in Research on Medicinal Plants and Phytochemicals*. Egra Sarada-Sashi Bhusan College, Midnapur, West Bengal, India, March 14-15, **2012**.
49. Seed invigouration of an ethno-medicinal pulse crops cultivar gorse-gram by herbal manipulation; **C. K. Pati** and A. Bhattacharjee, *National Seminar on Biodiversity Conservation and Sustainable Development*. Department of Botany & Forestry, Vidyasagar University, India, August 02, **2012**.
50. Prolongation of seed vigour of an ethno-medicinal seed species Horse-gram under stressful storage environment using selected chemicals; **C. K. Pati** and A. Bhattacharjee, *100th Indian Science Congress*, The Indian Science Congress Association and Calcutta University, India, January 3-7, **2013**.
51. Seed invigouration of a medicinal pulse crop cultivar horse-gram by herbal manipulation; **C. K. Pati** and A. Bhattacharjee, *National Conference on New Frontier in Medicinal Plant Research and Special Meeting on Medicinal plants for Livelihood Security and Community Empowerment in Eastern Himalayas*, Department of Botany, Sikkim University, Gangtok-737 102, India, October 3-4, **2013**.
52. Herbal manipulation of seed invigouration of a horse-gram cultivar under storage; **C. K. Pati** and A. Bhattacharjee, *21st West Bengal State Science and Technology Congress-2014*, Department of Science & Technology, Govt. of West Bengal & The University of Burdwan, India, February 20-21, **2014**.
53. Plant growth regulator-induced cultivation of a hill-grown vegetable crop chayote (*Sechium edule* Sw.) in plain lands of West Bengal; T. K. Dolui, **C. K. Pati** and A. Bhattacharjee, *21st West Bengal State Science and Technology Congress-2014*, Department of Science & Technology, Govt. of West Bengal & The University of Burdwan, India, February 20-21, **2014**.
54. Ecofriendly Techniques for Storage Potentiation of Crop Seeds: A Challenge in the Global Environmental Change; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Level Seminar on Global Environmental Changes: Issues and Challanges*. Egra Sarada-Sashi Bhusan College, West Bengal, India, February 25-26, **2015**.
55. Seed potentiation of a green gram cultivar using selected plant extracts under storage; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored State Level Seminar on New Generation*

Biologically Active Natural Products & Their Importance. Egra Sarada-Sashi Bhusan College, West Bengal, India, March 09, **2015**.

56. Ecofriendly technique for seed potentiation of a pea and a green gram cultivar under storage; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Seminar on Contemporary Progress in Plant Sciences*, UGC Centre for Advanced Study, Department of Botany, The University of Burdwan, India, March 20-21, **2015**.
57. Seed potentiation of a pulse crop green gram by herbal manipulation under storage; **C. K. Pati** and A. Bhattacharjee, *West Bengal State Council of Science & Technology Sponsored Seminar on Modern Trend of Research in Micropropagation for Socio-Economic Development in Human Welfare*. Department of Botany, Bankura Christian College, Bankura, West Bengal, India, October 14, **2015**.
58. Cultivation of chayote (*Sechium edule* Sw.) in plain lands of West Bengal using selected phytohormones; T. K. Dolui, **C. K. Pati** and A. Bhattacharjee, *UGC DRS SAP & DST Sponsored National Seminar on Medicinal Plants* (NSMP-2016). Department of Botany & Forestry, Vidyasagar University, West Bengal, India, February 16-17, **2016**.
59. Herbal manipulation of seed potentiation of a pea cultivar under storage.; **C. K. Pati** and A. Bhattacharjee, *UGC DRS SAP & DST Sponsored National Seminar on Medicinal Plants* (NSMP-2016). Department of Botany & Forestry, Vidyasagar University, West Bengal, India, February 16-17, **2016**.
60. Storage techniques of crop seeds: an immerging issue in the global environmental change; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Level Seminar on Environmental Education-A need of the day*. Bankura Zilla Saradamani Mahila Mahavidyapith, Bankura, West Bengal, India, September 23-24, **2016**.
61. Storage potentiation of a black gram seed species by herbal manipulation; **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Level Seminar on "Plants, the Natural Wonder: Issues & Concern"*. Department of Botany, Sonamukhi College, Bankura, West Bengal, India, October 04-05, **2016**.
62. Modern strategies for retention of seed vigour under storage; **C. K. Pati** and A. Bhattacharjee, *24th West Bengal State Science & Technology Congress* (First Regional Science & Technology Congress, 2016), *Bardhaman Division*, Organized by Department of Science & Technology

Government of West Bengal, Venue: Bankura Christian College, Bankura, West Bengal, India, November 07-08, **2016**.

63. Cultivation of vegetable crop chayote (*Sechium edule* Sw.) in plain lands through hormonal manipulation.; T. K. Dolui , **C. K. Pati** and A. Bhattacharjee, *UGC Sponsored National Seminar on Plant and Microbes in Human Welfare and Sustainability* (NSPM-2017). Department of Botany (UG &PG), Midnapore College (Autonomus), West Bengal, India, February 24, **2017**.
64. Chemical and herbal manipulative techniques for potentiation of crop seeds under adverse storage conditions; **C. K. Pati**, *West Bengal Biodiversity Board Sponsored National Seminar on Local Biodiversity*. Department of Botany, Raja Rammohun Roy Mahavidyalaya, Hooghly, West Bengal, India, January 30, **2018**.
65. Seed invigouraton of a grass pea species using herbal extracts under storage; **C. K. Pati** , *Science and Engineering Research Board(SERB), Department of Science & Technology(DST), Govt. of India Sponsored Two Day National Level Seminar on Role of Basic Sciences in Translational Research applied on Biological Sciences and Human Health*. Midnapore City College, Paschim Medinipur-721129, West Bengal, India, February 5-6, **2018**.
66. Techniques for conservation of crop seeds; **C. K. Pati**, *West Bengal Biodiversity Board Sponsored One Day National Seminar on Biodiversity Conservation and Bio Resource Management: Benefitting Man And Nature*. Department of Zoology and Botany, Bankura Sammilani College, Bankura, West Bengal, India, December 11, **2018**.
67. Techniques for conservation of crop seeds under global climatic change; **C. K. Pati** and A. Bhattacharjee, *One Day National Level Seminar on Local Biodiversity: Documentation and Conservation*, Ramnagar College, Purba Medinipur, West Bengal, India, March 16, **2019**.
68. Seed potentiation of a horse-gram species by herbal manipulation; **C. K. Pati**, *One Day National Level Seminar on "Diversity of Coastral Flora in India -Threats, Challenge & Restotation"*, Department of Botany, Egra Sarada-Sashi Bhusan College, Purba Medinipur, West Bengal, India, May 21, **2019**.
69. Technique of seed potentiation under storage; **C. K. Pati**, *Science and Engineering Research Board(SERB), Department of Biotechnology(DBT) and Department of Science & Technology(DST), Govt. of India Sponsored 3rd Annual National Conference "MCCON-2020" on*

“Bridges between Bioinformatics and Nutrigenomics”, Midnapore City College, Paschim Medinipur-721129, West Bengal, India, February 4-6, **2020**.

70. Seed invigouration of black gram species under storage; **C. K. Pati**, *RUSA 2.0 Component 8 Sponsored Two-Day National Seminar on “Recent Advances in Plant Science”*, Department of Botany, Midnapore College (Autonomous), Midnapur, West Bengal, India, March 2-3, **2020**.
71. Crop seeds conservation: An issue for the change of global biodiversity; **C. K. Pati**, *West Bengal Biodiversity Board, Department of Environment, Government of West Bengal Sponsored National Seminar on “Biodiversity and its Conservation”*, Biodiversity Management Committee, Ramananda College, Bishnupur, Bankura, West Bengal, India, March 2, **2020**.
72. Potentiation of a grass pea seed species under stressful storage environment; **C. K. Pati**, *International Conference on “Environment and Sustainability”*, IQAC, Raja N. L. Khan Women’s College (Autonomous), Midnapore, West Bengal, India, October 13-14, **2020**.
73. Ethno Botanical Approach; **C. K. Pati**, *One Day National Webinar*, Department of Botany, RIHS ,Bhograi, Balasore, Odisha, October 21, **2020**.
74. Seed potential of a grass pea species under storage; **C. K. Pati**, *International Webinar on “The World of Plants, its impact on indigenous people, society and biosphere (IWWOP-2020)”*, Department of Botany, Government General Degree College, Mohanpur, Paschim Medinipur, West Bengal, India, November 18-19, **2020**.
75. Study on impact of COVID-19 pandemic on floriculture in West Bengal; **C. K. Pati**, *One Day state Level Seminar on “Impact of COVID-19 pandemic on Indian Economy”*, IQAC in collaboration with Department of Commerce and Economics, Saldiha College, Bankura, West Bengal, February 13, **2021**.
76. Retention of Seed potential under stressful storage using selected plant extracts; **C. K. Pati**, *Two-Day International Conference on “Innovative Research in Life-Science for Sustainable Development”*, University Department of Botany, L. N. Mithila University, Kameshwaranagar, Darbhanga-86004, Bihar, India, July 29-30, **2021**.
77. Modern Techniques for Storage Potentiation of Crop Seeds in the Global Environmental Change; **C. K. Pati**, *One Day National Level Seminar on “Modern Approaches of Plant*

Taxonomy in Present Scenario of Research Field", Department of Botany, Egra Sarada-Sashi Bhusan College, West Bengal, India, June 22, **2022**.

78. Study of a few ethnomedicinal plants in Kamarkuli village, Bankura, West Bengal, India; H. Mallick, S. K. Mukherjee and **C. K. Pati**, *5th Regional Science and Technology Congress 2022-2023*, Jointly Organized by Department of Science & Technology, Government of West Bengal & Bankura University, West Bengal, India, January 9-10, **2023**.
79. Storage potential of lentil seeds using plant extract; S. Dutta and **C. K. Pati**, *5th Regional Science and Technology Congress 2022-2023*, Jointly Organized by Department of Science & Technology, Government of West Bengal & Bankura University, West Bengal, India, January 9-10, **2023**.
80. Seed invigouration of pigeon pea using ascorbic acid; S. Ghosh and **C. K. Pati**, *5th Regional Science and Technology Congress 2022-2023*, Jointly Organized by Department of Science & Technology, Government of West Bengal & Bankura University, West Bengal, India, January 9-10, **2023**.

National/ International Seminars/ Conferences/Workshops Attended:

1. *UGC Sponsored State level Seminar on sustainable Life-style with reference to Environment*, Organized by Garhbeta College, Midnapur, West Bengal, India, February 17, **2003**.
2. *UGC Sponsored Seminar on Bioprospecting in Eastern India: Exploring potentialities*, Organized by Raja N. L. Khan Women's College, Midnapur-721102, West Bengal, India, March 21, **2003**.
3. *UGC Sponsored State level Workshop on Experimental Physics at U.G. Level*, Organized by Garhbeta College, Midnapur, West Bengal, India, September 28-29, **2003**.
4. *ICAR Sponsored National Workshop on Seed Sector Perspective on Jute & Allied Fibre Crops-cum-Seed Day 2003*, Organized by Central Research Institute for Jute and Allied Fibres (ICAR), Barrackpore, West Bengal, India, September 23-24, **2003**.
5. *UGC Sponsored National Seminar on Recent Advances in Plant Sciences*, Organized by Department of Botany & Forestry, Vidyasagar University, India, March 30-31, **2004**.
6. *UGC Sponsored National Seminar on Biodiversity Management-Looking for an Alternative*, Organized by Raja N.L. Khan Women's College, Midnapur, West Bengal, India, February 19-20, **2005**.

7. *UGC Sponsored National Conference-cum-Workshop on Scientific Growing, Socio-economic Value and Proper Utilization of Medicinal and Aromatic Plants for the Welfare of the Rural People*, Organized by Department of Botany, B.N. Mahavidyalaya, Hooghly, West Bengal, India, February 25-27, **2005**.
8. *Vidyasagar University Sponsored Workshop on The revised UG Syllabi of Botany (Hons. & Gen.) for 3-Tier Examination Pattern*, Organized by Garhbeta College, Midnapur, West Bengal, India, January 01, **2006**.
9. *UGC Sponsored State level Seminar on Professionalisation of Commerce Education in the Context of Squeezing Enrolment of Students in West Bengal*, Organized by Garhbeta College, Midnapur, West Bengal, India, April 10, **2007**.
10. *WBCUTA Sponsored Seminar on the National Knowledge Commission-Emerging Contentions on the Relam of Higher Education*, Organized by Pingla Thana Mahavidyala, Midnapur, West Bengal, India, December 29, **2007**.
11. *UGC Sponsored National Seminar on Plants, Microbes and Forestry Research for Sustainable Development*, Organized by Department of Botany & Forestry, Vidyasagar University, India, March 28-29, **2008**.
12. *UGC Sponsored State level Seminar on Fundamentals and Frontiers in Physics*, Organized by Garhbeta College, Midnapur, West Bengal, India, September 22, **2008**.
13. *UGC Sponsored Golden Jubilee Symposium on Contemporary Trends in Plant and Microbial Sciences*, Organized by UGC Centre for Advanced Study, Department of Botany, The University of Burdwan, West Bengal, India, March 19-20, **2010**.
14. *UGC Sponsored National Seminar on plant Diversity: Aspects and Prospects*, Organized by Department of Botany & Forestry, Vidyasagar University, India, March 09-10, **2011**.
15. *UGC Sponsored Two Day National Seminar on The Srimadbhagbad-Gita and Modern Society*. Organized by Saldiha College, Bankura, West Bengal, India, March 15-16, **2011**.
16. *UGC Sponsored National Seminar on Modern Ethnobotany: Its Concepts and Relevances*, Organized by Garhbeta College, Midnapur, West Bengal, India, November 08-09, **2011**.
17. *UGC Sponsored One day State Level Seminar on Green Medicine; Its Concepts and Relevance to Modern Medicine*, Organized by Chandrakona Vidyasagar Mahavidyalaya, Midnapur, West Bengal, India, February 09, **2012**.
18. *UGC Sponsored Two Day National Level Seminar on Modern Trends in Research on Medicinal Plants and Phytochemicals*, Organized by Egra Sarada-Sashi Bhusan College, Midnapur, West Bengal, India, March 14-15, **2012**.

19. *UGC Sponsored National Seminar on Biodiversity Conservation and Sustainable Development*, Organized by Department of Botany & Forestry, Vidyasagar University, India, August 02, **2012**.
20. *UGC Sponsored Two Day National Seminar on Oscillating Historicity of Jungle-Mahal: A query with regard to its legacy*, Organized by Saldiha College, Bankura, West Bengal, India, October 04-05, **2012**.
21. *Department of Science & Technology, Govt. of West Bengal Sponsored 21st West Bengal State Science and Technology Congress-2014*, Organized by The University of Burdwan, West Bengal, India, February 20-21, **2014**.
22. *UGC Sponsored National Level Seminar on Global Environmental Changes: Issues and Challenges*, Organized by Egra Sarada-Sashi Bhusan College, West Bengal, India, February 25-26, **2015**.
23. *UGC Sponsored State Level Seminar on New Generation Biologically Active Natural Products & Their Importance*, Organized by Egra Sarada-Sashi Bhusan College, West Bengal, India, March 09, **2015**.
24. *Two Day International Seminar on Recent Trends on Histro-Geographic Approaches of South-Asian Environment*, Saldiha College, Saldiha-722173, Bankura, West Bengal, India, September 24-25, **2015**.
25. *UGC Sponsored National Seminar on "Human Rights: Challenges and Responsibilities*, Organized by Saldiha College, Bankura, West Bengal, India, October 08-09, **2015**.
26. *West Bengal State Council of Science & Technology Sponsored Seminar on Modern Trend of Research in Micropropagation for Socio-Economic Development in Human Welfare*, Organized by Department of Botany, Bankura Christian College, Bankura, West Bengal, India, October 14, **2015**.
27. *UGC Sponsored National Seminar on Chemistry on Its Way: Impact on the Environment*, Organized by Saldiha College, Saldiha-722173, Bankura, West Bengal, India, September 01-02, **2016**.
28. *UGC Sponsored Two-Day National Seminar on "125 Years Celebration of Dr. B. R. Ambedkar: Impact of His Ideas and Thoughts on Indian Politics"*, Organized by Saldiha College, Saldiha-722173, Bankura, West Bengal, India, September 03-04, **2016**.

29. *UGC Sponsored Two-Day National Seminar on "Theory, Policy and Practice: Re-interpreting Historical and Social Contexts of Ageing"*, Organized by Saldiha College, Saldiha-722173, Bankura, West Bengal, India, September 09-10, **2016**.
30. *UGC Sponsored National Level Seminar on Environmental Education-A need of the day*, Organized by Bankura Zilla Saradhamani Mahila Mahavidyalaya, Bankura, West Bengal, India, September 23-24, **2016**.
31. *UGC Sponsored National Level Seminar on "Plants, the Natural Wonder: Issues & Concern"*, Organized by Department of Botany, Sonamukhi College, Bankura, West Bengal, India, October 04-05, **2016**.
32. *Department of Science & Technology, Govt. of West Bengal Sponsored 24th West Bengal State Science & Technology Congress* (First Regional Science & Technology Congress, 2016), Bardhaman Division, Organized by Bankura Christian College, Bankura, West Bengal, India, November 07-08, **2016**.
33. *State Level Workshop on "Relation between Education and Administration"*, Organized by IQAC, Saldiha College, Saldiha-722 173, Bankura, West Bengal, India, April 08, **2017**.
34. *Workshop on formation of Syllabus(UG) CBCS for B.Sc. Botany*, Organized by Bankura University, Main Campus, Bankura Block-II, P.O.-Purandarpur, Pin.- 722 155, Dist.- Bankura, West Bengal, India, April 11, **2017**.
35. *One Day Workshop on Role of IQAC to Enhance the Quality of Higher Education*, Organized by IQAC, Garhbeta College, Garhbeta-721127, Paschim Medinipur, West Bengal, India, August 17, **2017**.
36. *West Bengal Biodiversity Board Sponsored National Seminar on Local Biodiversity*, Organized by Department of Botany, Raja Rammohun Roy Mahavidyalaya, Hooghly, West Bengal, India, January 30, **2018**.
37. *Science and Engineering Research Board(SERB), DST, Govt. of India Sponsored Two Day National Level Seminar on Role of Basic Sciences in Translational Research applied on Biological Sciences and Human Health*, Organized by Midnapore City College, Paschim Medinipur-721129, West Bengal, India, February 5-6, **2018**.
38. *West Bengal Biodiversity Board Sponsored One Day National Seminar on Biodiversity Conservation and Bio Resource Management: Benefitting Man And Nature*. Department of

Zoology and Botany, Bankura Sammilani College, Bankura, West Bengal, India, December 11, **2018**.

39. *District Tobacco Control Cell (DTCC) under the aegis of National Tobacco Control Board (NTCP), Department of Health and Family Welfare, Bankura, Govt. Of West Bengal Sponsored One Day Sensitization Campaign on Tobacco Cessation Among the College Students.* Organized by N.S.S. Unit-I & II, Saldiha College, Saldiha-722 173, Bankura, West Bengal, India, December 21, **2018**.
40. *West Bengal Biodiversity Board Sponsored One Day National Level Seminar on Local Biodiversity: Documentation and Conservation,* Ramnagar College, Purba Medinipur, West Bengal, India, March 16, **2019**.
41. *One Day National Level Seminar on “Diversity of Coastal Flora in India -Threats, Challenge & Restoration”,* Department of Botany, Egra Sarada-Sashi Bhusan College, Purba Medinipur, West Bengal, India, May 21, **2019**.
42. *Science and Engineering Research Board(SERB), Department of Biotechnology(DBT) and Department of Science & Technology(DST), Govt. of India Sponsored 3rd Annual National Conference “MCCON-2020” on “Bridges between Bioinformatics and Nutrigenomics”,* Midnapore City College, Paschim Medinipur-721129, West Bengal, India, February 4-6, **2020**.
43. *RUSA 2.0 Component 8 Sponsored Two-Day National Seminar on “Recent Advances in Plant Science”,* Department of Botany, Midnapore College (Autonomous), Midnapur, West Bengal, India, March 2-3, **2020**.
44. *West Bengal Biodiversity Board, Department of Environment, Government of West Bengal Sponsored National Seminar on “Biodiversity and its Conservation”,* Biodiversity Management Committee, Ramananda College, Bishnupur, Bankura, West Bengal, India, March 2, **2020**.
45. *Two-Day International Webinar on “Trajectory of COVID-19 Pandemic: Awareness, Treatment and Genomic Insight for Future Development”,* Department of Microbiology, Bankura Sammilani College, Bankura, West Bengal, June 14-15, **2020**.
46. *International Online Faculty Enrichment Programme on “Tips and tricks for Publishing in International Scientific Journals”,* Department of Zoology, Chemistry, Botany and Physics, Surendranath College, Kolkata, West Bengal, June 20, **2020**.

47. *Central University of Kerala Sponsored Three Days National Workshop on “Remote Learning Technology for Higher Education”*, IQAC, Central University of Kerala, India, June 26-28, **2020**.
48. *One Day International Virtual Conference on “Recent Trends in Plant Genetics and Genomics”*, VIT School of Agricultural Innovations & Advanced Learning (VAIAL), Vellore, Tamil Nadu, India, July 7, **2020**.
49. *Online Lecture Series in Botany*, Egra SSB College and P. K. College, Purba Medinipur, West Bengal, 13-20 July, **2020**.
50. *Virtual Symposium on “COVID-19 Disease Control-Opportunities and Challenges for Drug Discovery and Development; Drug Repurposing and Alternative Medicine”*, Centre for Bio-Separation Technology (CBST), VIT, Vellore, India, July 24-25, **2020**.
51. *One Day State Level Webinar on “Understanding Plant-Environment Interaction through Redox Biology: New Trend and New Opportunities”*, Department of Botany and IQAC, Indus Mahavidyalaya, Bankura, West Bengal, August 1, **2020**.
52. *Two Day Webinar on “host-Microbes Interactions: Present and Future Perspectives”*, School of Biotechnology, Department of Life Sciences, Presidency University, West Bengal, India, August 6-7, **2020**.
53. *One Day National Level Seminar on “Promotion of College Teachers Librarians under Career Advancement Scheme (CAS)”*, IQAC, Alipurduar College, Alipurduar, West Bengal, August 8, **2020**.
54. *One Day Orientation Programme on “NAAC & CAS”*, IQAC, Malda College, Malda, West Bengal, India, August 23, **2020**.
55. *One Day International Webinar on “Science, Biology and the World’s Future”*, IQAC, Dinabandhu Andrews College, Kolkata, West Bengal, August 25, **2020**.
56. *National Webinar on “Modern History of Botany in India & Role of Botanical Survey of India”*, IQAC, Department of Botany, Basirhat College, North 24 Parganas, West Bengal, August 29, **2020**.
57. *International Webinar on “Recent Advances in Biological Research”*, Midnapore City College, Paschim Medinipur, West Bengal, September 2, **2020**.

58. *One Day National Webinar on "Promotional Avenues for Teachers in Higher Education : CAS Regulations-2018"*. Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the PMMM National Mission on Teachers and Teaching of MHRD, September 5, **2020**.
59. *International Webinar on "Applied Aspects of Plant Science"*, Department of Botany, Bankura Christian College, Bankura, West Bengal, September 8-9, **2020**.
60. *One Day National Level Webinar on "Herbs for Healthcare-Exploring Ethnopharmacology for better Therapeutics"*, Department of Botany, Maulana Azad College, Kolkata, West Bengal, September 12, **2020**.
61. *One Day National Level Webinar on "Indian Biodiversity: A Treasure Trove"*, Department of Botany, Sabang Sajani Kanta Mahavidyalaya, Paschim Medinipur, West Bengal, September 14, **2020**.
62. *National Level Webinar on "Plant Diversity in India"*, Department of Botany, Bagnan College, Howrah, West Bengal, September 20, **2020**.
63. *Two-day International Webinar on "The Scope and Development of Research Activity at College Level"*, Research Cell, Egra S.S.B. College, Purba Medinipur, West Bengal, September 28-29, **2020**.
64. *Two Day International e-Conference on "Environment and Sustainability"*, Department of Zoology, Raja N. L. Khan Women's College (Autonomous), Midnapur, West Bengal, October 13-14, **2020**.
65. *National Webinar on "The Traditional Role of Plants for Health and Stress Management in the Context of COVID-19 Pandemic"*, Department of Botany, Career Counseling Cell and IQAC, RIHS, Balasore, Odisha, October 21, **2020**.
66. *International Webinar on "The World of Plants: Its Impact on Indigenous People, Society and Biosphere"*, Department of Botany, Government General Degree College, Mohanpur, Paschim Medinipur, West Bengal, India, November 18-19, **2020**.
67. *National Webinar on "Applications of Botany in Human Health"*, Department of Botany, Annasaheb Awate Arts, Commerce and Hutatme Babu Genu Science College, Manchar, Pune, December 03, **2020**.

68. *TEQIP sponsored Faculty Development Programme on "ICT Tools for Teaching"*, Department of Electronics & Communication Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand, December 14-18, **2020**.
69. *One Day International Webinar on "Writing Synopsis for Thesis and Dissertation"*, Ryan Publisher, Thillainagar-620018, Tamil Nadu, December 19, **2020**.
70. All India Council for Technical Education(AICTE) Sponsored *One week Short term Training Programme on "The Pedagogic Approach For Effective Teaching Learning through Outcome Based Education(OBE)"*, Anjuman College of Engineering and Technology, Sadar Nagpur, February 01-06, **2021**.
71. *One Day State Level Seminar on "Impact of COVID-19 Pandemic on Indian Economy"*, Department of Commerce and Department of Economics, Saldiha College, Saldiha, Bankura, West Bengal, February 13, **2021**.
72. *One Day National Webinar on "Integration of Ecosystem and Biodiversity values into National and Local Development Planning"*, Department of Botany, Sidho-Kanho-Birsha University, Purulia, West Bengal, May 22, **2021**.
73. *One Day State Level Webinar on " Mucormycosis:The 'Black Fungus' Infection maiming Covid-19 patients in India"*, Government General Degree College, Chapra, Nadia, West Bengal, June 03, **2021**.
74. *One Day National Level Webinar on "Recent Trends of Climate Change and its Impacts on Mankind and its Biosphere"*, Government General Degree College, Chapra, Nadia, West Bengal, June 05, **2021**.
75. *One Day Webinar on "Impact of Virtual Classroom on students' mental health with special reference to National Education Policy 2020"*, Jyotirmoy School of Education, Jyotirmoy Knowledge Park, Kalikapur, Sonarpur(South), West Bengal, July 24, **2021**.
76. *Two-Day International Conference on "Innovative Research in Life-Science for Sustainable Development"*, University Department of Botany, L. N. Mithila University, Kameshwaranagar, Darbhanga-86004, Bihar, India, July 29-30, **2021**.
77. *One Day Webinar on "Intellectual Property Rights"*, IQAC, Saldiha College in Association with DPIIT (Ministry of Commerce & Industry) West Bengal, India, January 06, **2022**.

78. *One Day National Level Seminar on “Modern Approaches of Plant Taxonomy in Present Scenario of Research Field”*, Department of Botany, Egra Sarada-Sashi Bhusan College, West Bengal, India, June 22, **2022**.
79. *One Day Seminar on “Chemistry behind phytochemicals used as herbal medicines for the treatment of diseases of human beings (Series-II)”*, Inclusion and Diversity Fund, Royal Society of Chemistry, London, Department of Botany, Egra Sarada-Sashi Bhusan College, West Bengal, India, December 23, **2022**.
80. *Department of Science & Technology, Govt. of West Bengal Sponsored 5th Regional Science and Technology Congress 2022-2023*, Jointly Organized by Department of Science & Technology, Government of West Bengal & Bankura University, West Bengal, India, January 9-10 , **2023**.
81. *One Day Workshop on “Procedure of Assessment by NAAC: Understanding Revised Accereditation Framework”*. IQAC, Saldiha College, Bankura, West Bengal, April 25, **2023**.
82. *One Day Seminar on “National Education Policy-2020 with special focus on curricular and credit framework (U. G. Level)”*, IQAC, Saldiha College, Bankura, West Bengal, April 25, **2023**.

International & National links for Teaching & Research:

A. Acted as Reviewer in National and International scholarly, peer-reviewed journals:

1. International Journal of Agricultural Sciences, www.internationalscholarsjournals.org
2. Agricultural Science Research Journal, <http://www.resjournals.com>
3. International Journal of Medicinal Plant Research, www.internationalscholarsjournals.org
4. African Journal of Biotechnology, www.academicjournals.org/ajb
5. African Journal of Agricultural Research, <http://www.academicjournals.org>
6. Herald Journal of Agriculture and Food Science Research, <http://www.heraldjournals.org>
7. World Journal of Agricultural Sciences, <http://www.wsrjournals.org>
8. American Journal of Experimental Agriculture, <http://www.sciencedomain.org>
9. Journal of Plant Growth Regulation, <http://www.springerlink.com>
10. International Journal of Plant & Soil Science, www.sciencedomain.org
11. International Journal of Agricultural Policy and Research, <http://www.journalissues.org>

12. Topclass Journal of Agricultural Research, <http://www.topclassglobaljournals.org>.
13. Journal of Microbiology Research and Reviews, www.resjournals.org/JMR
14. British Journal of Applied Science & Technology, <http://www.sciencedomain.org>
15. Journal of Scientific Research and Reports, <http://www.sciencedomain.org>
16. Annual Research & Review in Biology, <http://www.sciencedomain.org>
17. International Journal of Modern Botany(Scientific & Academic Publishing, USA), <http://www.sapub.org>
18. International Journal of Plant Research(Scientific & Academic Publishing, USA <http://www.sapub.org>
19. Advances in Life Sciences(Scientific & Academic Publishing, USA), <http://www.sapub.org>
20. International Journal of Agriculture and Forestry (Scientific & Academic Publishing, USA), <http://www.sapub.org>
21. Plant Cell Biotechnology and Molecular Biology, <http://www.ikpress.org>
22. Global Journal of Crop, Soil Science and Plant Breeding, <http://www.globalscienceresearchjournals.org>

B. Acted as Editorial Board Member, Associate Editor, Academic Editor and Editor in National and International scholarly, peer-reviewed journals:

1. Editorial Board Member of the *Edwin Group of Journals* (E-Elsevier,India), <http://www.edwinincorp.com>
2. Editorial Board Member of the *International Journal of Modern Botany* (Scientific & Academic Publishing, USA), <http://www.sapub.org>
3. Editorial Board Member of the *International Journal of Plant Research*, (Scientific & Academic Publishing, USA), <http://www.sapub.org>
4. Editorial Board Member of the *Advances in Life Sciences* (Scientific & Academic Publishing, USA), <http://www.sapub.org>
5. Editorial Board Member of the *International Journal of Agriculture and Forestry* (Scientific & Academic Publishing, USA), <http://www.sapub.org>
6. Editorial Board Member of the *Journal of Medicinal Plants Research*, <http://www.academicjournals.org>
7. Editorial Board Member of the *Topclass Journal of Agricultural Research*, <http://www.topclassglobaljournals.org>

8. Editorial Board Member of the *International Journal of Ayurveda*, <http://ija.kibanresearchpublications.com>
9. Editorial Board Member of the *I3 Botany*, <https://botany.i3press.fi>
10. Editorial Board Member of the *International Journal of Plant Sciences and Horticulture*, www.raftpubs.com
11. Editorial Member of the *Edwin Group of Journal* (E-Elsevier, India), <http://www.edwinepc.com>
12. Associate Editor of the *Global Journal of Medicinal Plants Research*, www.globalscienceresearchjournals.org
13. Associate Editor of the *Academic Journal of Botanical Sciences* (International Association of Scientists and Researchers), www.xournals.com
14. Associate Editor of the *Journal of Natural & Ayurvedic Medicine*, <https://medwinpublishers.com>
15. Academic Editor of the *Journal of Advances in Biology and Biotechnology*, <http://sciencedomain.org>
16. Editor of the *Global Journal of Crop, Soil Science and Plant Breeding*, www.globalscienceresearchjournals.org
17. Editor of the *Far East Journal of Biological Sciences*, <http://www.pphmj.com>

C. Acted as Research Supervisor (ongoing Ph. D. Scholars under direct supervision):

1. **Harasourav Mallick** (Registration No: BKU/Ph.D./BOT-03/2020-21/11-21 w.e.f. 11.08.2021). The proposed title of Ph.D. thesis: **“Studies on ethnomedicinal plants of Bankura District, West Bengal, India”**.
2. **Sanju Dutta** (Registration No: BKU/Ph.D./BOT-11/2020-21/11-21 w.e.f. 11.08.2021). The proposed title of Ph.D. thesis: **“Study of storage potential and enhancement of plant growth of mung bean (*Vigna radiata* (L.) Wilczek) seeds using herbal technique”**.
3. **Sharmishtha Ghosh** (Registration No: BKU/Ph.D./BOT-12/2020-21/11-21 w.e.f. 11.08.2021). The proposed title of Ph.D. thesis: **“Seed potentiation and enhancement of plant growth of an ethnomedicinal pulse crop *Cajanus cajan* (L.) Millsp. using selected chemicals”**.

Faculty development courses or programmes attended:

Sl. No.	Course	Sponsoring Agency	Institutions	Period/Date
1	86 th Orientation Programme (O.P.)	U.G.C.	UGC Academic Staff College, The University of Burdwan, India.	7 th June, 2012 - 4 th July, 2012
2	5 th Refresher Course (R.C.) in Life Science	U.G.C.	UGC Academic Staff College, The University of Burdwan, India.	9 th July, 2013 - 29 th July, 2013
3	Refresher Course (R.C.) in Life Sciences	U.G.C.	UGC- Human Resource Development Centre, Ranchi University, India.	8 th August, 2018 - 28 th August, 2018
4	Refresher Course (R.C.) in Life Sciences	U.G.C.	UGC- Human Resource Development Centre, Ranchi University, India.	5 th July, 2019 - 18 th July, 2019
5	Faculty Development Programme(FDP) on "ICT Tools for Teaching"	G. B. Pant Institute of Engineering and Technology	Department of Electronics & Communication Engineering, G. B. Pant Institute of Engineering and Technology, Uttarakhand	14 th December, 2020 - 18 th December, 2020
6	Short Term Training Programme on "The Pedagogic Approach For Effective Teaching Learning through Outcome Based Education(OBE)"	Anjuman College of Engineering and Technology	Anjuman College of Engineering and Technology, Sadar Nagpur	1 st February, 2021 - 6 th February, 2021

Extracurricular Activities:

1. Recipient of "*THE BEST CITIZENS OF INDIA AWARD 2017*".
2. Recipient of "*BHARAT RATNA Dr. ABDUL KALAM GOLDMEDAL AWARD 2018*".
3. Biographical-note has been included in the "*30th Pearl Anniversary Edition of 'Who's Who in the World'*" (Marquis Who's Who Publications Board, USA).
4. Biographical-note has been included in the "*Asia Pacific Who's is Who*" (Volume-XVI).
5. Biographical-note has been included in the "*Best Citizens of India*" (Volume-15).

6. Selected for "*IBC's LEADING DEUCATORS of the WORLD 2013*", International Biographical Centre (IBC), GREAT BRITAIN.
7. Selected for "*2018 Albert Nelson Marquis Lifetime Achievement Award*" (Marquis Who's Who, USA, www.marquiswhoswho.com).
8. Acted as the A.N.O./Caretaker, Saldiha College NCC Unit (under 56 BENGAL BATTALION NCC).
9. Delivered Invited Lectures in different N.S.S. Annual Special Camping Programmes of Saldiha College N.S.S. Unit, Bankura, West Bengal under the Ministry of Youth Affairs & Sports, Govt. of India.
10. Acted as the Judge of Cultural Competitions of Vivek Yuba Utsav at Block Level, Sponsored by Youth Services Department, Govt. of West Bengal.
11. Acted as the Supervisor in Exhibitions (Botany Stall) organized by the Saldiha College N.S.S. Units to observe the N.S.S. Day.

Associated with any other Organization:

1. Life Member of *The Indian Science Congress Association* (Membership No. - L29936).
2. Life Member of the *National Environmental Science Academy* (L/M No. - 1841).
3. Individual Member of the *Global Economic Progress and Research Association* (GEPR), New Delhi.

Other Academic Activities:

1. Acting as the Head, Department of Botany, Saldiha College (Affiliated to Bankura University), Bankura, West Bengal, India since 03.04.2010 to till date.
2. Presented Research paper in National/International/State Level Seminar/Conferences/Webinar etc.
3. Acted as Resource Person for the Class Room Seminar for B.Sc. (Botany) at RIHS (under FM University), Odisha.
4. Conducted Educational Excursion for Field Study of UG (Botany) in different academic sessions.
5. Supervised the Environmental Field Study at UG (B.A./B.Sc.) label in different academic sessions.
6. Acted as the Answer Scripts Evaluator of UG (Botany) under The University of Burdwan, India.

7. Acted as the External Examiner/Internal Examiner to conduct the Practical Examinations of UG (Botany) under The University of Burdwan, India.
8. Acted as Member of UGBS (Botany), Bankura University, West Bengal, India.
9. Acted as Member of UGMB (Botany), Bankura University, West Bengal, India.
10. Acted as Member of Board of Research Studies, BRS (Botany), Bankura University, West Bengal, India.
11. Acted as Paper Setter of UG (Botany), Bankura University, West Bengal, India.
12. Acted as Paper Setter of UG (Botany), Vidyasagar University, West Bengal, India.
13. Acted as the Subject Expert of Selection Committee as recommended by Hon'ble Vice-Chancellor, Bankura University, West Bengal, India for the appointment of Guest Lecturer in Botany at college level.
14. Acted as the Head Examiner to conduct the Answer Scripts Evaluation Programme of UG (Botany), Bankura University, West Bengal, India.
15. Acted as the External Examiner to conduct the Practical Examinations of UG (Botany), Bankura University, West Bengal, India.
16. Acted as the Convener to conduct the Practical Examinations of UG (Botany), Bankura University, West Bengal, India.
17. Conducted Educational Excursion for Field Study in Environmental Studies for U.G./P.G. students.
18. Conducted Educational Excursion for Field Study in Botany for U.G. students.
19. Acted as the Answer Scripts Evaluator (Botany) for the recruitment of Assistant Teachers by the WBSSC (Western Zone Office), West Bengal, India.
20. Acted as the Venue Observer for conducting TET Examination for the recruitment of Assistant Teachers by the WBSSC (Western Zone Office), West Bengal, India.
21. Acted as the Assistant Secretary, Teaching Council, Saldiha College, West Bengal, India.
22. Acted as the Member of the IQAC Composition, Saldiha College, West Bengal, India.
23. Participated and presented Research Papers in many National/International Seminars/Symposium/Conferences.
24. Participated in the Workshop on formation of Syllabus for UG Studies (CBCS) of Botany, Bankura University, West Bengal, India.
25. Participated in the Workshop on formation of Syllabus for UG Studies (NEP-2020) of Botany, Bankura University, West Bengal, India.

26. Acted as the member of different Academic Sub-Committees of the college in different Academic Sessions.
27. Acted as member of different Sub-Committees of Seminars/Conferences/ Symposia etc. at College and University level.
28. Acted as the External Examiner to conduct the Practical Examinations of UG (Botany) under Netaji Open University (NOU), West Bengal, India.
29. Acted as the Resource Person in the National Webinar on “The Traditional Role of Plants for Health and Stress Management in the Context of COVID-19 Pandemic” organized by RIHS, Bhogarai, Balasore (Affiliated to F. M. University), Odisha, India.
30. Participated in the Workshop related to the online examination process of RET-2021, Bankura University.
31. Acted as the Resource Person in Awareness campaign on Pollution Control under LIFE Programme, EIACP Resource Partner on Environmental Biotechnology, University of Kalyani, Nadia (Sponsored by Ministry of Environment, Forest and Climate Change, Government of India).