

Bio Data of Prof. GK Pandit



Sl. No.	Particulars	Details
1.	Name:	Prof. Goutam Kumar Pandit
2.	Designation:	Professor
3.	Department:	Biochemistry
4.	Educational Qualifications:	M. Sc. (Ag.), Ph. D.
5.	Contact Details:	(a) Email id: gpandit.ubkv@gmail.com, goutam@ubkv.ac.in (b) Phone/Mobile :+91-9474570875
6.	Post held since (year):	Professor since 2015
7.	Area of Specialization:	a) Biochemistry of Plants b) Nutrition Biochemistry
8.	No. of Publications:	a) Research Papers : 27 b) Book Chapters : 2 c) Books : Nil
9.	Award/Honours:	Nil

10. Important Publications:

- 1) Pandit, G. K., Pal, S. and Das, A. K. (1995) Photocatalytic degradation of pendimethalin in the presence of titanium dioxide. 1. *Journal of Agricultural and Food Chemistry*, 43 (1): 171-174. <https://doi.org/10.1021/jf00049a031>
- 2) Pandit, G. K., Bhattacharya, A., Bose, A. K., Bandyopadhyay, D., Das, A. K. and Adityachaudhury, N. (1996) Persistence of α -cypermethrin in cabbage and monocrotophos in three soils of West Bengal. *Pesticide Research Journal*, 8 (2): 132-138.
- 3) Pandit, G. K., Bhattacharya, P. M., Chaudhuri, S., Pal, S. and Das, A. K. (2000) Phytotoxicity of photoproducts of pendimethalin to rice seedlings. *Pesticide Research Journal*, 12 (2): 242-244.
- 4) Pandit, G. K., Bhattacharya, A. and Das, A. K. (2000) Persistence and dissipation of dazomet in soil and tomato (*Lycopersicon esculentum* Mill) seedlings. *Toxicological and Environmental Chemistry*, 76 (1 & 2): 47-53. <https://doi.org/10.1080/02772240009358915>
- 5) Bhattacharya, A., Pandit, G. K., Chakraborti, P. and Roy, D. (2001) Effect of carbofuran, butachlor and carbendazim on chlorophyll and carbohydrate contents of two summer rice (*Oryza sativa* L.). *Crop Research*, 21 (1): 15-19.
- 6) Pandit, G. K. and Panchanan, S. (2013) Riboflavin-sensitized photodegradation of pendimethalin in sunlight. *Pesticide Research Journal*, 25 (1): 42-46.
- 7) Ashrafi, M. A. and Pandit, G. K. (2014) Effect of carbofuran on the formation of some biomolecules in brinjal (*Solanum melongena* L.) leaf. *The Bioscan*, 9 (3): 959-963.
- 8) Dhar, T., Senapati, S. K., Pandit, G. and Bhattacharya, S. (2014) Efficacy of imidacloprid

against *Singhiellapallida* Singh and dynamics of its dissipation in/on *Piper betle* L. leaves. *The Ecoscan*, 8 (3 & 4): 301-304.

- 9) Ashrafi, M. A. and Pandit, G. K. (2015) Variation in the formation of some biomolecules in cabbage (*Brassica oleracea* L. var. *capitata*) leaf induced by endosulfan. *The Bioscan*, 10 (2): 539-543.
- 10) Bhutia, N., Medda, P.S., Choudhuri, P., Ghosh, A. and Pandit, G. (2015) Effect of light intensity on different betelvinegermplasm under Terai region of West Bengal. *The Bioscan*, 10 (3): 1163-1168.
- 11) Bandyopadhyay, S., Poddar, P. and Pandit, G. K. (2015) Bio-efficacy evaluation and residue analysis of Tricyclazole 75% WP in paddy against blast disease. *International Journal of Recent Scientific Research*, 6 (11): 7254-7258.
- 12) Ashrafi, M. A. and Pandit, G. K. (2015) Photodegradation of metribuzin in sunlight sensitized by TiO₂. *Pesticide Research Journal*, 27 (2): 175-179.
- 13) BhanuSree, M. R., Ghosh, S. K., Chakravarty, S., Pandit, G. K., Mukhopadhyay, D., Medda, P. S. and Kumar, K. R. (2015) Effect of preharvest bunch spray of mineral nutrients on yield and quality of banana (*Musa paradisiaca*) var. Grand Naine. *Progressive Research – An International Journal*, 10 (Special-IV): 2153-2155.
- 14) Ashrafi, M. A. and Pandit, G. K. (2016) Effect of imidacloprid on the activities of some enzymes of cabbage (*Brassica oleracea* L. var. *capitata*) leaf. *International Journal of Recent Scientific Research*, 7 (1): 8232-8235.
- 15) Pandit, G. K., Krushna, G.S., Chowdhury, N. and Ghosh, J. (2016) Dissipation of imidacloprid residues in okra fruits and soil of northern region of West Bengal. *Pesticide Research Journal*, 28 (1): 20-24.
- 16) Bhanusree, M. R., Ghosh, S. K., Pandit, G. K., Suresh, C. P., Ravi Kumar K. and Chakravarty, S. (2017) Effect of different post-harvest packaging treatments on shelf-life of banana var. Grand Naine. *International Journal of Current Microbiology and Applied Sciences*, 6 (10): 3394-3401. <https://doi.org/10.20546/ijcmas.2017.610.398>
- 17) Mondal, D., Sil, P., Sahana, N., Mandal, S. and Pandit, G. K. (2017) Development of a PCR based detection system for Begomoviruses from Solanaceous vegetables. *International Journal of Bioresource Science*, 4 (2): 101-105.
- 18) Mondal, D., Mandal, S., Shil, S., Sahana, N., Pandit, G. K. and Choudhury, A. (2019) Genome wide molecular evolution analysis of begomoviruses reveals unique diversification pattern in coat protein gene of Old World and New World viruses. *Virus Disease*, 30 (1): 74–83.
- 19) Chowdhury, S., Pal, K., Chakraborty, M., Chakraborty, S., Mandal, S., Pandit, G. K., Maitra S. and Sahana, N. (2020) Conservation and *in vitro* propagation of an endangered wild turmeric (*Curcuma caesia*Roxb.) species from sub-Himalayan terai region of West Bengal. *International Journal of Current Microbiology and Applied Sciences*, 9 (2): 2132-2140.
- 20) Pal, K., Chowdhury, S., Dutta, S. K., Chakraborty, S., Chakraborty., M., Pandit G. K., Dutta, S., Paul, P. K., Choudhury. A., Majumder, B., Sahana, N. and Mandal, S. (2020) Analysis of rhizome colour content, bioactive compound profiling and *ex situ* conservation of turmeric genotypes (*Curcuma longa* L.) from sub-Himalayan terai region of India. *Industrial Crops and Products*, 150: 112401. <https://doi.org/10.1016/j.indcrop.2020.112401>
- 21) Surje, D.T., Roy, M., Sahana, N., Mandal, S., Pandit, G.K., Roy, S.K. and Roy, B. (2022) *Ex*

situ conservation and qualitative characterization of traditional cultivars of rice (*Oryzasativa*L.). *Indian Journal of Traditional Knowledge*, 21 (1): 168-179. <http://op.niscpr.res.in/index.php/IJTK/article/view/26486>

- 22) Natta, S., Mondol, M. S. A., Pal, K., Mandal, S., Pal, R., Pandit, G. K., Sahana, N., Alam, B. K., Das, S. S., Biswas, S. S., Kalaivanan, N. S. (2022) Chemical composition, antioxidant activity and bioactive constituents of six native endangered medicinal orchid species from North-Eastern Himalayan region of India. *South African Journal of Botany*, 150, 248-259. <https://doi.org/10.1016/j.sajb.2022.07.020>
- 23) Pandit, G. K. and Ashrafi, M. A. (2022) Effect of imidacloprid on accumulation of some biomolecules in cabbage (*Brassica oleraceavarcapitata*) leaf. *Environment and Ecology*, 40 (3D): 1822-1828.
- 24) Natta, S., Pal, K., Alam, B. K., Mondal, D., Dutta, S. K., Sahana, N., Mandal, S., Bhowmick, N., Das, S. S., Mondal, P., Pandit, G. K., Paul, P. K. and Choudhury, A. (2023) In-depth evaluation of nutritive, chemical constituents and anti-glycemic properties of jackfruit (*Artocarpusheterophyllus*Lam) clonal accessions with flake colour diversity from Eastern Sub-Himalayan plains of India. *Food Chemistry*, 407, 135098. <https://doi.org/10.1016/j.foodchem.2022.135098>
- 25) Das, D., Pal, K., Sahana, N., Mondal, P., Das, A., Chowdhury, S., Mandal S. and Pandit, G. K. (2023) Evaluation of morphological and biochemical parameters and antioxidant activity and profiling of volatile compounds in fifteen Dolichos bean (*Lablab purpureus* L.) genotypes of India. *Food Chemistry Advances*, 2, 100164. <https://doi.org/10.1016/j.focha.2022.100164>

11. Projects handled as PI (External funded)

- i) RKVY funded project "Search for natural pesticides compatible with IPM and organic farming from the plant biodiversity of northern region of West Bengal" during 2009-10 to 2012-13, Fund value: Rs. 27 Lakh.
- ii) CSIR funded project on "Detoxification of pesticides by sensitized photochemical degradation and toxicity study of their photoproducts" during 2009-10 to 2011-12, Fund value: Rs. 14.10 Lakh.
- iii) "Residue studies of some pesticides in different crops" funded by Willowood Chemicals Pvt. Ltd., New Delhi during 2016-17 to 2018-19, Fund value: Rs. 17.03 Lakh.