

PROFORMA FOR BIODATA (to be uploaded)

1.	Name and full correspondences address	:	Pooja Makwana, Type II/32, CSR&TI, Berhampore, Murshidabad dist. W.B. Pin-742101
2.	E-mail(s) and contact number(s)	:	pooja.may16@gmail.com ; +91-9735096082; +91-8147991622
3.	Institution	:	Central Sericultural Research and Training Institute, Berhampore
4.	Date of Birth	:	16-05-1989
5.	Gender (M/F/T)	:	F
6.	Category (Gen/SC/ST/OBC)	:	OBC
7.	Whether differently able (Yes/No)	:	No

8. Academic Qualification (Undergraduate onwards)

#	Degree	Year	Subject	University/ Institution	% of Marks
1.	B.Sc.	2010	Biotechnology, Chemistry and Computer Sciences	Devi Ahilya Vishwavidyalaya, Indore	I class
2.	M. Sc.	2012	Biomedical Genetics	VIT, Vellore	I class

9. Ph.D thesis title, Guide's Name, Institution/Organization/University, Year of Award.

Ph.D in Biotechnology submitted thesis titled -"Cytotoxicity and detoxification response in the silkworm *Bombyx mori* induced by uzifly *Exorista bombycis*" under the guidance of Dr. A.R. Pradeep, Scientist-D, SBRL, Bangalore, to University of Mysore, Mysore in June 2018 (Provisional certificate obtained in July 2019; Convocation awaited).

10. Work experience (in Chronological order)

#	Position held	Name of the Institute	From	To	Pay Scale
1.	Junior Research Fellow	Seribiotech Research Laboratory, Central Silk Board	June 2013	June 2015	Rs. 12000/- + HRA
2.	Senior Research Fellow	Seribiotech Research Laboratory, Central Silk Board	July 2015	December 2015	Rs. 14000/- + HRA
3.	Scientist-B	Central Sericultural Research and Training Institute, Berhampore	January 2016	June 2019	Rs. 15600/- + 5400 (Pay Band -3)
4.	Scientist-C	Central Sericultural Research and Training Institute, Berhampore	June 2019	Till date	Rs. 67700/- (Pay level 11)

11. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

#	Name of Award	Awarding Agency	Year
1	Certificate of Appreciation	Central Sericultural Research and Training Institute, Berhampore	2020

12. Publication(List of papers published in SCI Journals, in year wise descending order)

#	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Shambhavi HP, Makwana P , Surendranath B, Ponnuvel, KM, Mishra RK and Appukuttan PR	Phagocytic events, associated lipid peroxidation and peroxidase activity in hemocytes of silkworm <i>Bombyx mori</i> induced by microsporidian infection.	Caryologia, International Journal of Cytology, Cytosystematics and Cytogenetics	73(1)	93-106	2020
2	Makwana P , Chattopadhyay S, and Sivaprasad V	Evaluation of synthetic antimicrobial peptides for the control of mulberry brown leaf spot disease incited by <i>Myrothecium roridum</i>	Journal of Crop and Weed	15(3)	209- 212	2019
3	Shambhavi PH, Pradeep ANR, Makwana P , Sagar C & Mishra RK	Cellular defence and innate immunity in the larval ovarian disc and differentiated ovariole of the silkworm <i>Bombyx mori</i> induced by microsporidian infection	Invertebrate Reproduction & Development	64(1)	10-21	2019
4	Shambhavi PH, Pooja M , Pradeep AR, Mishra RK	Immune suppression being the cause for establishment of <i>Nosema bombycis</i> parasitism in the silkworm <i>Bombyx mori</i>	Innovative Farming	4 (3)	155- 161	2019
5	Makwana P , Pradeep AR, Hungund SP, Ponnuvel KM, Trivedy K	The dipteran parasitoid <i>Exorista bombycis</i> induces pro- and anti-oxidative reactions in the silkworm <i>Bombyx mori</i> . Enzymatic and genetic analysis	Archives of Insect Biochemistry and Physiology	94(2)	e2137 3	2017
6	Pooja M , Pradeep ANR, Hungund SP, Sagar C, Ponnuvel KM, Awasthi AK, Trivedy K	Oxidative stress and cytotoxicity elicited lipid peroxidation in hemocytes of <i>Bombyx mori</i> larva infested with dipteran parasitoid, <i>Exorista bombycis</i>	Acta Parasitologica	62(4)	717- 727	2017
7	Rajiv S, Jerobin J, Saranya V, Nainawat M, Sharma A, Makwana P , Gayathri C, Bharath L, Singh M, Kumar M, Mukherjee A, Chandrasekaran N	Comparative cytotoxicity and genotoxicity of cobalt (II, III) oxide, iron (III) oxide, silicon dioxide, and aluminum oxide nanoparticles on human lymphocytes <i>in vitro</i>	Human & Experimental Toxicology	35(2)	170- 183	2016
8	Pradeep AR, Anitha J, Panda A, Pooja M , Awasthi AK	Phylogeny of host response proteins activated in silkworm <i>Bombyx mori</i> in response to infestation by dipteran endoparasitoid revealed functional divergence and	Journal of Clinical and Cellular Immunology	6(370)	2	2015

		temporal molecular adaptive evolution				
9	Jerobin J, Makwana P , Suresh Kumar RS, Rajiv S, Mukherjee A, Chandrasekaran N	Antibacterial activity of neem nanoemulsion and its toxicity assessment on human lymphocytes <i>in vitro</i>	International Journal of Nanomedicine	10	77	2015

13. Detail of Patents:

#	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1	Novel process of antifungal peptide mediated suppression of <i>Myrothecium</i> leaf spot and <i>Fusarium</i> root rot diseases in mulberry (<i>Morus</i> spp.)	Soumen Chattopadhyay, Pooja Makwana, Anil Pappachan, Vankadara Sivaprasad	-	-	India	Applied

14. Books/Reports/Chapters/General Articles etc. : **Nil**

#	Title	Author's Name	Publisher	Year of Publication
1.				
2.				
3.				

15. Any other Information (Maximum 500 words):

- Microarray data of the DBT project "*Host- parasite interaction: Transcriptome responses to parasitism in the silkworm Bombyx mori*" submitted to **Gene Expression Omnibus (NCBI)** with accession number **GSE75520**.