

CURRICULAM VITÆ



Name: Lily Pal
Date of birth: 25/11/1987
Fathers' Name: Bhudev Chandra Pal
Mothers' name: Bhabani Pal
Address: South Gurupally, P.O.- Santiniketan, Dist- Birbhum, West Bengal, India
Nationality: Indian
Religion: Hindu
Marital status: Married
Sex: Female
Category: General
Languages Known: Bengali, English, Hindi
Phone: (+91) 9476104589
Email: lily.botany@gmail.com

Educational Qualifications:

Exam Passed	Year	Division/Class	Board/University	Subjects taken
Ph.D.	2019	-	Visva-Bharati	Botany (Plant Physiology and Biochemistry)
B.Ed.	2011	First	Visva-Bharati	Method Paper: Life Science, Physical Science, Elective Paper: Physical Education
M.Sc.	2010	First	Visva-Bharati	Botany (Special Paper: Plant Physiology, Biochemistry and Molecular Biology)
B.Sc. (Honours)	2008	First class in Honours with Distinction in Subsidiary Subjects	Visva-Bharati	Botany (Life Science), Chemistry, Mathematics
12 th Std	2005	First	W.B.C.H.S.E.	Bengali, English, Mathematics, Physics, Chemistry, Biology
10 th Std	2003	First	W.B.B.S.E.	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography, Additional Mathematics

Professional and Research Experiences:

01.01.2020- Present: **Designation:** SACT (State Aided College Teacher) Category-I
Institute/Organization: Department of Botany, Durgapur Women's College, Durgapur,
Paschim Burdwan, West Bengal, India.

CURRICULAM VITAE

08.09.2018- 31.12.2019: **Designation:** Guest Lecturer.

Institute/Organization: **Organization:** Department of Botany, Durgapur Women's College, Durgapur, Paschim Burdwan, West Bengal, India.

28.03.2015-27.03.2018: **Designation:** Senior Research Fellow (**UGC-BSR Fellowship**)

Institute/Organization: Department of Botany, Visva-Bharati, Birbhum, West Bengal, India.

28.03.2013-27.03.2015: **Designation:** Junior Research Fellow (**UGC-BSR Fellowship**)

Institute/Organization: Department of Botany, Visva-Bharati, Birbhum, West Bengal, India.

07.01.2012-27.03.2013: **Designation:** Ph.D. Non-NET Fellow (Ph.D. Non-NET Fellowship of Visva –Bharati)

Institute/Organization: Department of Botany, Visva-Bharati, Birbhum, West Bengal, India.

Awards/Certificates:

1. **Young Scientist Award** Participation Certificate (2017) by Indian Society of Plant Physiology, New Delhi, India.
2. '**UGC-BSR Fellowship**' (Number and date of award letter: F.7-220/2009 (BSR) dated: 13/12/2012), University Grants Commission, New Delhi, India.
3. Passed **VBRET Examination** in January, 2011.
4. Won the **Merit Scholarship** in the year 2008 and 2010 from Visva-Bharati.

Ph.D. Thesis Title:

“Characterization and elucidation of regulation of cotyledon senescence during germination of *Vigna radiata* seeds.”

Publications:

1. **Pal L** and Kar RK. 2019. Role of reactive oxygen species in cotyledon senescence during early seedling stage of mung bean [*Vigna radiata* (L.) Wilczek]. *Journal of Plant Growth Regulation*, 38: 315-324. IF-4.169 (2020).
2. **Pal L** and Kar RK. 2015. Correlative influence of axes on senescence of cotyledons following germination of Mung Bean *Vigna radiata* (L.) Wilczek seeds. *Austin Journal of Plant Biology*, 1(1): 01-06.
3. **Pal L**. 2021. Elements of GATE Biotechnology (Chapter 9: Plant Biotechnology) (Editor: D. Kar), Notion Press.
4. **Pal L**. 2021. Elements of GATE Botany (Chapter 6: Plant Breeding and Genetic Modification, Chapter: 17, 18, 19, 20; Previous Year's Solution) (Editor: D. Kar), Notion Press.

Presentations:

1. *Participation:* One day **National Seminar on Recent Trends in Plant and Microbial Research**, March 17, 2018, Visva-Bharati, West Bengal, India.

CURRICULAM VITAE

2. *Oral presentation at Young Scientist Session: L. Pal and R.K. Kar (2017)*. ROS and antioxidative enzyme activities during cotyledon senescence of mung bean [*Vigna radiata* (L.) Wilczek]. **National Conference of Plant Physiology**, November 23-25, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh, India.
3. *Poster presentation: L. Pal and R.K. Kar (2016)*. Influence of axes for cotyledon senescence and storage mobilization after germination of mung bean seeds. **National Conference of Plant Physiology**, December 8-10, The University of Agricultural Sciences, GKVK, Bengaluru, India.
4. *Poster presentation: L. Pal and R.K. Kar (2016)*. Gibberellic acid (GA) has an effect on both cotyledon senescence and storage mobilization in germinated seeds of mung bean [*Vigna radiata* (L.) Wilczek]. **National Seminar on Plant and Microbe: Diversity and Utilization**, March 19-20, Visva-Bharati, West Bengal, India.
5. *Poster presentation: L. Pal and R.K. Kar (2014)*. Ethylene plays a crucial role in maintaining greenness of the cotyledons in germinated seeds of mung bean [*Vigna radiata* (L.) Wilczek]. **National Conference of Plant Physiology**, November 23-25, Orissa University of Agriculture and Technology, Bhubaneswar, Orissa, India.
6. *Poster presentation: L. Pal and R.K. Kar (2013)*. Cotyledon senescence of Mung Bean [*Vigna radiata* (L.) Wilczek] as monitored from the chlorophyll and protein levels. **5th Indian Youth Science Congress**, December 6-9, Visva-Bharati, West Bengal, India.

Workshops:

1. A workshop on **National Workshop on Statistical Data Analysis in Multidisciplinary Research – Learning through software (WSDAMR)**, Department of Statistics, Siksha Bhavana, Visva Bharati, August 27-31, 2018.
2. A workshop on **Introduction to Statistical methods**, Department of Statistics, Siksha Bhavana, Visva Bharati, March 24-25, 2017.
3. A workshop on **People's Biodiversity Register of Birbhum District, West Bengal**, Department of Botany, Siksha Bhavana, Visva-Bharati, January 8, 2012.
4. A workshop on **Medicinal plants - Biodiversity, Sustainable utilization and cultivation**, Department of Botany, Siksha Bhavana, Visva-Bharati, January 14-15, 2012.