

## RESUME

### AMRIT LAL

Assistant Professor & Head  
Department of Botany  
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### ACADEMIC PROFILE

Exam	Subjects	Institute/University	Year of Passing
Ph.D.	Algal Technology	I.I.T, Kharagpur, (W.B)	Pursuing
P.G.	Applied Botany	I.I.T, Kharagpur, (W.B)	2011
U.G.	Botany, Zoology, Chemistry	Magadh University, Bodh-Gaya (Bihar)	2007

### WORKING EXPERIENCE

- **Assistant Professor:** 26 August, 2019 to Current at **S.R.K.G. College, Sitamarhi, Bihar**
- **Scientific Assistant:** 19 March, 2012 to 31 December, 2014 at **IIT Kharagpur** in **Indo-Denmark Collaborative Research Project-** High rate Algal biomass Production for food, feed, biochemicals and biofuels

### ACHIEVEMENTS AND AWARDS

- Qualified Joint **CSIR-UGC NET** in LIFE SCIENCES 2011
- Qualified **ICAR-NET** conducted by Agricultural Scientists Recruitment Board (ASRB), ICAR, New Delhi
- Received **MHRD Fellowship**, a fellowship grant for P.G. study by Ministry of Human Resource Development (MHRD), Govt. of India
- **Best paper award** at **8<sup>th</sup> World Renewable Energy Technology Congress & Expo-2017**, New Delhi, India, organized by Energy & Environment foundation and **Ministry of New and Renewable Energy, Govt. of India**

### RESEARCH PAPERS PUBLISHED IN INTERNATIONAL JOURNAL

1. **Amrit Lal**, Sanjukta Banerjee, and Debabrata Das. "*Aspergillus* sp. assisted bioflocculation of *Chlorella* MJ 11/11 for the production of biofuel from the algal-fungal co-pellet." ***Separation and Purification Technology* 272 (2021): (Impact factor- 8.6)**
2. **Amrit Lal**, Supratim Ghosh and Debabrata Das (2017). Improvement in electrically induced biomass harvesting of *Chlorella* sp. MJ 11/11 for bulk biomass production. ***Journal of Applied Phycology***, pp.1-15. **(Impact factor- 3.3)**
3. **Amrit Lal** and Debabrata Das (2016). Biomass production and identification of suitable harvesting technique for *Chlorella* sp. MJ 11/11 and *Synechocystis* PCC 6803. ***Biotech***, 6(1), p.41. **(Impact factor- 2.8)**
4. Jhansi L. Varanasi and **Amrit Lal**. "Bioelectrochemically Assisted Anaerobic Digestion: Principles and Perspectives." ***Bioelectrochemical Systems: Vol. 1 Principles and Processes*** (2020): 35-51. Springer-Nature

**PAPER PRESENTED IN CONFERENCES AND WORKSHOP**

1. **Amrit Lal** and Debabrata Das (2018, July 6-7). DBT National Workshop on Bioenergy), Jointly organized by **Department of Biotechnology- IIT Roorkee and DBT-Pan IIT centre for Bioenergy at IIT-Roorkee, India**. Poster presentation
2. **Amrit Lal** and Debabrata Das (2017, 21- 23 August). Development of efficient microalgae harvesting process using *Chlorella* sp. MJ11/11. 8<sup>th</sup>World Renewable Energy Technology Congress & Expo, New Delhi, India.
3. **Amrit Lal** and Debabrata Das (2015, December 27-30). Biomass production and electro-harvesting of oleaginous microalgae *Chlorella* sp. MJ 11/11. **CHEMCON, IIT Guwahati, India**.
4. **Amrit Lal**, Supratim Ghosh and Debabrata Das (2013, December 15-19). Development of a microalgal biomass harvesting and dewatering technology. **Asian Congress of Biotechnology (ACB 2013), New Delhi, India**.
5. **Amrit Lal**, Supratim Ghosh and Debabrata Das (2013, January 10-12). Identification of most suitable flocculants for microalgae harvesting. International Conference on Algal Biorefinery: A potential Source of Food, Feed, Biochemicals, Biofuels and Biofertilizers (ICAB 2013), **IIT Kharagpur**, West Bengal, India.
6. Supratim Ghosh, Shantonu Roy, **Amrit Lal** and Debabrata Das 2014. Simultaneous biodiesel production and bioremediation by *Chlorella* MJ 11/11 grown on thermophilic dark fermentative spent media. **ICABB 2013, Pune**, India.
7. Author Workshop (2015, January 16) Jointly Organized by **Springer and IIT Kharagpur**
8. Workshop on Advances in Algal Biotechnology (2015, November 21), **IIT Bombay, India**
9. Workshop on “**Bioproduction in Photosynthetic Microbes**”, (2018, May 21-25) organized by **IIT Kharagpur and Global Initiative for Academic Network (GIAN)**

**PARTICIPATION**

- **4-Week Induction Programme** from 21 August – 19 September, 2021 and obtained **Grade A+**. Organized by **Ramanujan College, University of Delhi**, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission On Teachers and Teaching
- **Two – Week Refresher Course** in “LIFE SCIENCES” from 17 March – 01 April, 2023 and obtained **Grade A+**. Organized by **Ramanujan College, University of Delhi**, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission On Teachers and Teaching

**PERSONAL INFORMATION**

- Date of Birth: June, 1986
- Permanent Address: C/O Jay Prakash Narayan,  
Shahpur, Dharmshala Road,  
Aurangabad, Bihar-824101