



## Profile of the Faculty

### 1. General Information:

Name of the Faculty	:	Dr. Aparajita Banerjee
Name of the Department	:	Zoology
Educational Qualifications	:	Ph.D., NET, GATE
Present Designation	:	Assistant Proffessor
Address for Correspondence	:	Department of --Zoology-----, Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous), Plot-No.01, Sector- 11, Khanda Colony, New Panvel (W), Dist. Raigad, Maharashtra, India-410206
E-mail	:	banerjeeaparajita01@gmail.com
Contact Number	:	(022) 27464193, (022) 27455760
Specialization	:	Zoology
Total teaching experience	:	7.5 years
Courses taught	:	Zoology, Biotechnology
Research experience	:	5 years
Number of students registered for Ph.D. degree	:	0
Number of students awarded Ph.D. degree	:	0
Number of students registered for P.G degree by research	:	0
Number of students awarded P.G degree by research	:	0

## 2. Publication of Research Papers:

Peer reviewed journals	:	09 (6 research papers; 3 review papers)
Non-peer reviewed journals	:	01
Conference proceedings	:	03 (posters)

### List of Publication of Research Papers:

#### Research Papers

- 1) **Banerjee, A.**, Rai, A. N., Penna, S., & Variyar, P. S. (2016). Aliphatic glucosinolate synthesis and gene expression changes in gamma-irradiated cabbage. *Food chemistry*, 209, 99-103.
- 2) **Banerjee, A.**, Suprasanna, P., Variyar, P. S., & Sharma, A. (2015). Gamma irradiation inhibits wound induced browning in shredded cabbage. *Food chemistry*, 173, 38-44.
- 3) **Banerjee, A.**, Variyar, P. S., Chatterjee, S., & Sharma, A. (2014). Effect of post harvest radiation processing and storage on the volatile oil composition and glucosinolate profile of cabbage. *Food chemistry*, 151, 22-30.
- 4) **Banerjee, A.**, Chatterjee, S., Variyar, P. S., & Sharma, A. (2016). Shelf life extension of minimally processed ready-to-cook (RTC) cabbage by gamma irradiation. *Journal of food science and technology*, 53(1), 233-244.
- 5) **Banerjee, A.**, Penna, S., & Variyar, P. S. (2015). Allyl isothiocyanate enhances shelf life of minimally processed shredded cabbage. *Food chemistry*, 183, 265-272. (**Impact factor-9.23**)
- 6) Abdul Khalil, Samsul Rizal, Fizree H. M., Chaturbhuj K. Saurabh, Deepu A. Gopakumar, N.A. Sri Aprilia, D. Hermawan, **A. Banerjee**, Fazita M.R.M, Haafiz M.K.M (2020). Value-Added Utilization of Agro-Waste Derived Oil Palm Ash in Epoxy Composites. *Journal of Renewable Materials*.
- 7) Dalvi, S., Chettiar, A., Banerjee, A. (2020) Extraction Of Caffeine From Coffee And Effect Of Coffee On Goat Stomach. *International Journal Of Creative Research Thoughts - Ijcr*

#### Review papers:

- 1) Khalil, H. P. S. A., Tye, Y. Y., Saurabh, C. K., Leh, C. P., Lai, T. K., Chong, E. W. N., ... & Syakir, M. I. (2017). Biodegradable polymer films from seaweed polysaccharides: A review on cellulose as a reinforcement material. *Express Polymer Letters*, 11(4), 244-265.2)
- 2) Khalil, H. P. S. A., **Banerjee, A.**, Saurabh, C. K., Tye, Y. Y., Suriani, A. B., Mohamed, A., ... & Paridah, M. T. (2018). Biodegradable films for fruits and vegetables packaging application: preparation and properties. *Food Engineering Reviews*, 10(3), 139-153.

3) H P S. Abdul Khalil, Ying Ying Tye, Chaturbhuj K Saurabh, Cheu Peng Leh, Tze Kiat Lai, Eunice Wan N. Chong, M R Nurul Fazita, J Mohd Hafiidz, **Aparajita Banerjee** (2017)  
 “Seaweed based sustainable films and composites for food and pharmaceutical applications: A review” Renewable and Sustainable Energy Reviews

### Books Authored

International Publisher	:	
National Publisher	:	
Chapters in Edited Books	:	03 (International Publisher)

### List of Publication of Research Papers:

1. Variyar, P. S., **Banerjee, A.**, Akkarakaran, J. J., & Suprasanna, P. (2014). Role of glucosinolates in plant stress tolerance. In *Emerging technologies and management of crop stress tolerance* (pp. 271-291). Academic Press.
2. Khalil, H. A., Saurabh, C. K., Syakir, M. I., Fazita, M. N., Bhat, A., **Banerjee, A.**, ... & Tahir, P. M. (2019). Barrier properties of biocomposites/hybrid films. In *Mechanical and physical testing of biocomposites, fibre-reinforced composites and hybrid composites* (pp. 241-258). Woodhead Publishing.
3. **Banerjee, A.** (2021). Biopolymers in the food and nutraceutical industries. In *Biopolymers and their Industrial Applications* (pp. 149-173). Elsevier.

### 3. Minor Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency

**Patents:**

Status	Number/s
Granted	
Published	
Filled	

**List of patents:**

Sr. No.	Patent Name	Title of Invention	Patent Number	Date & Year of Publication	Date & Year of Grant of Patent
01					
02					
03					
04					

**4. Membership/s:****5. Faculty Development programmes like Orientation/Refresher courses/ Short term courses etc. attended:**

Name of the Course	Place	Duration	Sponsoring Agency
International Faculty Development Programme on “Digital Teaching and Learning Environment”	Mumbai	3 days	Department of B.Com and B.Com (Accounting and Finance) in association with Mumbai University and College Teachers’ Association (MUCTA)
Two days Online Orientation Workshop for F.Y.B.Sc. Biotechnology Revised	Mumbai	2 days	Ad-hoc BOS in Biotechnology (Under the Faculty of Science and

Syllabus 2022-23			Technology), University of Mumbai

**6. Participation in conferences, symposia, seminars and workshops:**

Level	Presented paper	Only attended
International		02
National	03 (poster presentation)	04
State		
University		

**7. Conferences, symposia, seminars and workshops organized as convener/co-convener:**

Level	Convener	Co-convener
National		
College		

**8. Experience on the various committees at the college**

**9. Experience on the NAAC/ IQAC of the college**

**10. Experience on the Various Committees at the University of Mumbai / Government**

**11. Awards/recognitions received:**

Level	Title	Year	Awarding agency
University			
State			
National	Department of Atomic Energy Fellowship	2009	Department of Atomic Energy
International			