

EVALUATIVE REPORT OF THE DEPARTMENT

Name of the University: Assam University. Name of the Department: Biotechnology

Dist: Cachar. State: Assam. Total Number of Departments in the Institution: 42

Sl. No.	Name of the Department	Biotechnology
1.	Year of Establishment	2004
2.	Is the Department part of a school/Faculty of the university	<u>Hargobind Khorana School of Life Sciences</u>
3.	Names of programmes offered	MSc, MPhil, PhD
4.	Number of teaching posts Sanctioned/Filled	8/6 (Prof. S.K.Ghosh on lien as Vice Chancellor, Kalyani University, 2017-2020)
5.	Number of Research Projects: Total grants received	<p>Prof. S. Chakraborty-1 (5.25 lakhs) Funding Agency - ICMR Prof. P. B. Mazumder-NIL Prof. S. K. Ghosh-2 (94.84 lakhs + 37 lakhs) Funding Agency – DBT & ITRA-DIGITAL INDIA CORPORATION Dr. M. Sengupta-1 (11.45 lakhs) Funding Agency - UGC Dr. R. Rajwanshi-1 (40.32 lakhs) Funding Agency – DST Dr. Y. Choudhury-1 (115.272 lakhs) Funding Agency - DBT Total No. of projects=6 Total grants = Rs 204.132 lakhs</p>
6.	Inter –institutional collaborative projects and Associated grants received	<p>Prof. S. Chakraborty-NIL Prof. S. K. Ghosh-2 (94.84 lakhs + 37 lakhs) Dr. R. Rajwanshi- Dr. R. Rajwanshi- (Ph.D. Supervisor of one Ph.D. Scholar with Dr. K.P. Mohapatra, ICAR, Meghalaya as Co-Supervisor)-No extra-mural funding Collaborating Institute – ICAR, Meghalaya Dr. Y. Choudhury-2 (Co-Principal investigator in the two projects with Prof. S.K. Ghosh as PI) Collaborating Institute- Cachar Cancer hospital and research center (CCHRC)</p>

		<p>ICAR, Barapani, Meghalata, ICAR, Tripura, ICAR, Rani, Assam, IIT Guwahati, Kalyani Government Engineering College, Kalyani, Uttar Banga Krishi Vishvavidyalaya, Cooch Bihar, West Bengal</p> <p>Total No. of projects=2 Total grants received= 131.84 lakhs</p>
	National collaboration	<p>Prof. S. Chakraborty-NIL Prof. P.B. Mazumder-NIL Prof. S. K. Ghosh-2 (94.84 lakhs + 37 lakhs) Dr. M. Sengupta-NIL Dr. R. Rajwanshi- Dr. R. Rajwanshi- (Ph.D. Supervisor of one Ph.D. Scholar with Dr. K.P. Mohapatra, ICAR, Meghalaya as Co-Supervisor)-No extra-mural funding</p> <p>Collaborating Institute - ICAR Dr. Y. Choudhury-2 (Co-Principal investigator in the two projects with Prof. S.K. Ghosh as PI)</p> <p>Collaborating Institute – Cachar Cancer hospital and research center (CCHRC) ICAR, Barapani, Meghalata, ICAR, Tripura, ICAR, Rani, Assam, IIT Guwahati, Kalyani Government Engineering College, Kalyani, Uttar Banga Krishi Vishvavidyalaya, Cooch Bihar, West Bengal</p> <p>Total No. of projects=2 Total grants received= 131.84 lakhs</p>
	International collaboration	NIL
7.	Departmental projects funded by DST-FIST, UGC-SAP/CAS,DPE, DBT, ICSSR, AICTE etc., : Total grants received	<p>UGC-SAP Rs 49.0 Lakhs (DRS-I) ,Rs.117 lakhs (DRSII) Total = 166</p>
8.	Special research laboratories sponsored	NIL

	by / created by industry or corporate bodies	
9.	Publications	
	Number of Papers published	Prof. S. Chakraborty-43 Prof. P.B. Mazumder-17 Prof. S.K. Ghosh - 44 Dr. M. Sengupta-14 Dr. R. Rajwanshi-05 Dr. Y. Choudhury-16 Total = 139
	Number of Books with ISBN	Prof. S. Chakraborty-NIL Prof. P.B. Mazumder - 5 book chapters Prof. S.K. Ghosh – 5 (2 Book chapters + 3 books) Dr. M. Sengupta-1 Book chapter Dr. R. Rajwanshi - 3 Book chapter Dr. Y. Choudhury-3 Book chapters Total = 17
	Number of Citation Index – range / average	Prof. S. Chakraborty-300 / Av. 7.14 Prof. P.B. Mazumder-0-35 (total no.225/6.81) Dr. M. Sengupta-0-95 (total no. of citations=393/ 16.37) Dr. R. Rajwanshi-358/32.54 Dr. Y. Choudhury-0-121(total no. of citations=201/15.46) Total = 1477 Range = 1 - 393 Average = 10.62
	Number of Impact Factor – range / average	Prof. S. Chakraborty Total=76.95 / Av. 1.83 Prof. P.B. Mazumder - 5.1-0.29 Total= 14.859 / 2.12) Prof. S.K. Ghosh- 9.329 -0.22 (Total=187.65/2.28) Dr. M. Sengupta-7.6- 0.5 (Total = 61.606/ 2.68) Dr. R. Rajwanshi-3.930-0.672 (Total = 12.981/1.85) Dr. Y. Choudhury-5.899-0.982 (total=40.4/3.11) Total = 394.44 Average = 2.83 Range = 0.22 – 9.329
	Number of h-index	Prof. S. Chakraborty-9

		Prof. P.B. Mazumder-10 Prof. S.K. Ghosh - 18 Dr. M. Sengupta-10 Dr. R. Rajwanshi-7 Dr. Y. Choudhury-10 Total = 10.66
10.	Details of patents and income generated	Prof. S. Chakraborty Copyrights: 6 (5 Indian & 1 US) 1. Inventing coding sequence of a gene for lowest protein production (InGLP) 2. G test as a test of significance of difference in numerical data (Gtest) 3. Codon usage diversity index (CUDI) 4. Free energy of DNA or RNA (FREN) 5. Codon usage diversity measure 6. Tau_corr as a measure of correlation (US copyright) Prof. S.K. Ghosh-NONE Prof. P.B. Mazumder-NONE Dr. M. Sengupta-NONE Dr. R. Rajwanshi-NONE Dr. Y. Choudhury-NONE
11.	Areas of consultancy and income generated	NIL
12.	Awards/Recognitions received at the National and International level by :	
	Faculty	Dr. M. Sengupta- Shakuntala Dasgupta Oration Award, 2015)
	Doctoral/Post doctoral fellows	1. Dr. Arif Uddin-PDF 2. Dr. Aditi Bhowmik-Best Poster-Global Cancer Summit, 2015 3. Biswajit Das SLET 2015 4. Dr. Paromita Chakraborty-National PDF (SERB) 5. Dr. Paromita Chakraborty-DBT-Research associateship 6. Dr. Lalramliana -DBT NATIONAL ASSOCIATESHIP 7. Manish Kumar- Best Oral Presentation – IASST 7 th

		<p>Symposium of DSI, 2017</p> <p>8. Neelima Devi-Best Poster Presentation- IASST 7th Symposium of DSI, 2017</p> <p>9. Shaheen Laskar-Best Poster Presentation- IASST 7th Symposium of DSI, 2017</p> <p>10. Kasturi Bhattacharjee- Best Poster Presentation, Current Trends in Biotechnological Research, 2019.</p> <p>11. Kasturi Bhattacharjee- GYAN Scholarship Award, Nextgen Genomics, Biology, Bioinformatics and Technologies Conference, 2019</p> <p>12. Himadri Saikia GATE 2014-2016</p> <p>13. Sahana Basu GATE 2014-2016</p> <p>14. Sahana Basu ASRB NET 2016</p> <p>15. Raima Das-DST INSPIRE Fellowship 2016</p> <p>16. Sreejita Chakraborty SLET 2016</p> <p>17. Shaheen Laskar-MANF 2017-2018</p> <p>18. Biswajit Das GATE 2017-2020</p> <p>19. Moumita Nath GATE 2018-2021</p> <p>20. Nabanita Maity CSIR-UGC NET 2018</p> <p>21. Moumita Nath DST-INSPIRE Fellowship 2019</p> <p>22. Nabanita Maity GATE 2019-2022</p> <p>23. Biswajit Singha-SLET-2016, GATE-2016</p> <p>24. Udaya Kumar Vandana ICAR NET-2017</p> <p>25. Yahyea Baktiar Laskar CSIR-NET 2018</p>
	Students	NONE
13.	How many students have cleared Civil Services and Defense Services examinations, NET, SET (SLET), GATE and other competitive	NET:2, ASRB NET: 1, CSIR-UGC NET:1, SLET: 2; GATE-5; DST-INSPIRE:2

	examinations	
14.	List of doctoral , post-doctoral students and research associates	1.Sharbaddeb Kundu 2.Shailendra Yadav 3.Ruhina Shirin Laskar 4.Fazlur Rehman Talukdar 5.Mohua Chakraborty 6.Bishal Dhar 7.Rajeev Kumar 8.Seram Anil Singh 9.Javed Hussain Choudhury 10.Arif Uddin 11.Tarikul Huda Mazumder 12.Monisha Nath Choudhury 13.Himangshu Deka 14.Dibakar Dey 15.Binata Halder 16.Prosenjit Paul 17.Sumana Chakraborty 18.Shamim Ahmed Shamim Khan Barbhuiya 19.Ramkrishna Pal 20.Moriom Begam 21.Anupam nath 22.Aditi Bhowmik 23.Sambuddha Das 24.Karam Jayanandi Devi 25. Haisanam Pushparani Devi 26. Kh. Bharati Singha 27.Ningthoujam Chandani Devi 28.Laissshram Priyadashini Devi 29. Biswajit Singha 30.Yumnam Romila Devi 31.Mrinal Kanti Bhattacharjee 32.Rajkumar Suraj Singh 33.Ananya Mohanta 34.Sarmishta Dey 35.Supriya Das 36. Dr. Mehboob Hoque (Research Associate) 37. Dr. Bishal Dhar (Research Associate)
	From the host institution/university	17
	From other institutions/universities	20
15.	Number of Research Scholars/ Post Graduate students getting financial assistance from the University/State/ Central	4 (Supervisor/Mentor Prof. S. Chakraborty) +8 (Supervisor/Mentor Prof. P.B. Mazumder)+3 +2 (Supervisor/Mentor Dr. M. Sengupta) +(Supervisor/Mentor Dr. R. Rajwanshi)+10 (Supervisor/Mentor

		Dr. Y. Choudhury) + 17 (Supervisor/Mentor Prof. S. K. Ghosh) Total No. =42
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