

# PONDICHERRY UNIVERSITY

## PROFILE OF THE DEPARTMENT

### (FOR REACCREDITATION PURPOSE OF NAAC)

(Wherever applicable select the closest option and strike out the others which are not applicable.

If something is Not Applicable write NA. Please use Separate Sheets wherever necessary)

**(Information shall be given for the period from July 2004 to June 2009)**

### GENERAL INFORMATION

1. Name of the Department		Department of Biochemistry and Molecular Biology									
2. Location of Institution		Science Block, Pondicherry University									
3. Name and Address of Institution		Department of Bio Chemistry & Molecular Biology, Pondicherry University, R.V. Nagar, Kalapet, Puducherry 605 014									
Web/URL Home page											
Email		<a href="mailto:biochemistry-pondiuni@yahoo.co.in">biochemistry-pondiuni@yahoo.co.in</a>									
4. Year (Date if available) of Establishment		1987									
5. Built-up Area in Sq. Ft.		6000 sp.ft(including Laboratory area) Total Laboratory area of the Dept in sp.ft 3500 sq.ft.									
6. Institutional Autonomy											
7. Total Student Strength of the Department (2009)		M.Sc I 29 M.Sc II 22 Ph.D 16									
8. Programs Offered:											
8.(i) Post-Graduate: (Please specify courses. If necessary use additional sheets)											
Total Intake	Total Student Strength		Students from Pondicherry University		Students from Other Universities		Students from Other States		NRI Students		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
40	24	5	3	8	19	2	19	2	Nil	Nil	
8.(ii) Ph.D.: (Please specify subjects. If necessary use additional sheets)											
Total Intake	Total Student Strength		Students from Pondicherry University		Students from Other Universities		Students from Other States		NRI Students		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
06	02	03	Nil	01	02	02	02	02	Nil	Nil	
9. Number of Permanent Teaching Faculty							Male: 05      Female: 03      Total: 08				
10. Number of Teaching Posts Sanctioned							Professor: 02      Reader: 06 Lecturer: 06				

	Others (Please specify):	Lab. Assistant:
11. Number of Teaching Posts Occupied	Professor: 02 Reader: 01 Lecturer: 05 Others (Please specify): NIL	1. Jr. Lab Asst. 2 2. Sr. Lab Asst. 1 Vacant

12. List of Technical Staff:							
Sl. No.	Name	Sex	Date of Birth	Date of Super-annuation	Technical	Designation	Highest Qualification
01	K. Veeraragu	M	28.7.67	2027		Jr. Lab.Asst.	M.Sc.,
02	R. Renughadevi	F	25.4.81	**		Jr. Lab.Asst	M.Sc., D.Pharm BLIS
03	K. Boobathi	M	16.12.80	**		Lab. Attendent	B.Sc.,
04	S.Kiruthiga (Daily wages)  ** Tem. Employees	F	15.07.83			Sr.Lab. Assistant (Daily wates)	M.Sc., M.Phil
13. Number of Administrative Staff					Clerical: Male: 01 Female: Nil Total:01 Attenders: Male: 02 Female: Nil Total: 02 Peons: Male: Nil Female:Nil Total: Nil		
14. Whether the Institution has been assessed and accredited by any Agency like NAAC/NBA/AICTE/DEC/etc.?					Yes. by NAAC		
15. What are the admission policies in your institution? (Please strike our whichever is not applicable)							
(i) Admission based on Marks in Qualifying exam alone :							
(ii) Admission based on (i) and Entrance exam (University /State / <u>National level</u> ):							
(iii) Admission based on (i) and / or (ii) and / or (iii) and / or Interview / Group Discussion:							
(iv) Counselling for students done before Admission:							
(v) Counselling for students done after Admission:							
(vi) Percentage of Reservations available for Admission under categories SC-2 + 1/ST-1+1/OBC /Sports-1/NRI-2/ Women / Category Percentage Internal students /Physically Challenged /Domicile of State / Other State students / Wards of employees, etc.							
(vii) Any others (please specify):							
16. Is there any review of the Admission Policy?					Yes.		

17. When was the Admission Policy reviewed of late?	2009
18. How are the courses / programmes advertised?	Through national level leading news papers
19. Number of Working days per semester?	93 days
20. Number of Teaching days per semester?	73 days
21. Are there any policy guidelines for curriculum revision?	Yes.
22. Is there any academic body for design and / or review of curriculum?	Yes/
23. When was the curriculum last revised?	2009
24. Are the curricula revised for all programmes simultaneously or partially?	Yes.
25. Does the institution have credit transfer system?	Yes.
26. Methods of Instruction followed	Lecture along with AV Presentation
27. Exam. System followed	CBCS
28. Is there Internal Assessment? If yes, what percentage of the total is this and in what faculty?	Yes. 40%
29. Is there external valuation?	Yes. (60%)
30. Has the institution introduced any innovations in exam?	Yes.
31. Are the exams held as per schedule? If not, give reasons.	Yes.
32. Are the results declared as per schedule? If not, give reasons.	Yes.
33. Grants received from various sources	Yes.
34. Fee structure per annum:	Rs 3,792/-

### GENERAL AND INFRASTRUCTURAL FACILITIES

35. Does the Institution have Dept. Libraries? Are these connected with the main Library?	No Library in the Dept.
36. Area of the Library in Sq. Ft.	Nil
37. Number of Books in the Library Number of Text books in the Library Number of Reference books in Library Number of Audio cassettes Number of Video cassettes Number of CD ROMS	Books purchased for the Department and kept in the Central Library.
38. Number of Books purchased last year by Library	Not arise
39. Is there a Computer Laboratory?	No
40. Area of the Computer Laboratory in Sq.Ft.	Not arise
41. Number of Computers in the Institution	39
42. Number of Computers Available for use by Students	20
43. Number of Computers Available for Staff	19
44. Is the Administration of the Institution computerized?	No
45. Does the Institution have an Auditorium?	No
46. Does the Institution have Canteen facilities?	No
47. Does the Institution have a Student Centre?	No
48. Does the Institution have facilities for Indoor Games / Reading Room / etc. ?	No
49. Number of Class Rooms in the Institution Number of Laboratories Number of Reading Rooms Number of Staff Rooms Number of Common Rooms Number of Rest Rooms	03 15 02 10(Teaching + Office) Nil Nil

### RESEARCH AND DEVELOPMENT

50. Are the Faculty Members Active in Research?				Yes.			
51. Research Projects Completed during last 5 years with Details:							
Name of the Project	Name of the Principal Investigator	Funding Agency	Thrust Area	Total Grant	Duration with Years	Number of Publications under the Research Project	Number of Patents, if any.
Evaluation of Oxidative stress in Inducing Sub-fertility in male rats by Environmental contaminants; 2003-06.	Prof. P. P. Mathur	DST, New Delhi.		14.4	3		Nil
Effect of environmental contaminants on male reproduction; 2003-2008	Prof. P. P. Mathur	ICMR, New Delhi		3.5	5		Nil
Isolation, Purification, Characterization, Cloning & Expression of alpha-amylase Enzyme activity from <i>Cereus pterogonus</i> and <i>Opuntia vulgaris</i> ; 2004-07.	Dr. K. Srikumar	UGC-MRP, New Delhi		9.5	3		

52. Ongoing Research Projects, if any, with Details:  
(Please use separate sheet if necessary)

Name of the Project	Name of the Principal Investigator	Funding Agency	Total Grant	Duration with Years	Number of Publications under the Research Project	Number of Patents, if any.
Functional studies on the effects of xenoestrogens on pancreatic cells; 2007-09	Prof. P. P. Mathur	UGC, New Delhi	9.2	2		Nil
Evaluation of stress response on the susceptibility of testis to environmental toxicants; 2009-2012	Prof. P. P. Mathur	ICMR, New Delhi.	18.0	3		Nil
Functional studies on effects of low doses of Bisphenol A on pancreatic and testicular functions of adult rats. (2009-11)	Prof. P. P. Mathur	ICMR, New Delhi.	5.5	2		Nil
Isolation & Characterization of Low MW Antimicrobial substances from Lactic acid bacteria; 2006-09.	Prof. K. Jeevaratnam	DRDO ER & IPR, New Delhi	14.9	3		Nil
Investigation on the role of selected plant hormones on animal cell function; 2006-2009.	Dr. K. Srikumar	DST, New Delhi.	20.0	3		Nil
Studies on the protective effects of <i>trigonella foenum-graecum</i> (fenugreek) seeds on the endoplasmic reticulum stress mediated damage in Type II diabetic rats; 2009-2012	Dr. Sudha Rani	UGC, New Delhi	7.3	3		Nil
Free radical scavenging effect of Vitamin E on cadmium nitrate induced acute and chronic hepatocytes toxicity in relation to DNA damage and antioxidant status; 2009-2012	Dr. C. Thirunavukkarasu	DST, New Delhi	18.5	3		Nil

53. Has the Institution organized any Research Meetings During the last 5 years?		Nil		
54. Details of Research Meeting, if any, organized during last 5 years. (Please give separate list with full details, wherever necessary)				
Name of the Meeting	Level (National / International)	Type of Meeting (Seminar/ Workshop/ Conference/ Symposia/ Other (specify))	Number of Persons who attended (Male: Female: Total: )	Dates of the Meeting
55. Has the Department Participated in any Special Schemes like UGC DRS / DSA / COSIP / ASIST / DST FIST / DBT , others. (Please Specify).		DST, FIST 2002 - 2007		
56. Has the Institution introduced any Innovations in Teaching (Please give details)		Yes. Using audio visual equipments.		

**INSTITUTIONAL / DEPARTMENTAL INFORMATION**

57. Annual Budget of the Institution / Department during last 5 years.	
58. Research Funds per Faculty Member during last 5 years	
59. Ratio of Students to Faculty during last 5 years	1 : 6
60. Ratio of Number of Applications to Available Intake during last 5 years	1: 34
61. Ratio of Number of Students Appearing for Exam. to Number of Successful Candidates during last 5 years (Final exam. Only)	1:1 (100%)

62. Number of Students Admitted to Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	2004	10	07	02	01	--	--	--	--	01	--	13	08
M.Sc	2005	02	07	01	04	01	02	--	--	--	--	03	14
M.Sc	2006	09	08	03	02	02	--	--	--	--	--	14	10
M.Sc	2007	16	05	02	01	--	01	--	--	--	--	18	07
M.Sc	2008	11	03	01	01	--	--	--	--	02	--	14	04
M.Sc	2009	09	05	01	--	01	--	--	--	03	--	14	05

63. Number of Student Drop-outs in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	2004	02	03	--	--	01	--	--	--	--	--	03	03
M.Sc	2005	05	03	01	--	--	--	--	--	--	--	06	03
M.Sc	2006	03	02	--	--	--	--	--	--	--	--	03	02
M.Sc	2007	02	01	01	--	--	--	--	--	--	--	03	01
M.Sc	2008	--	--	--	--	--	--	--	--	--	--	--	--
M.Sc	2009	--	--	02	--	01	--	--	--	--	--	03	--

64. Number of Students who Appeared for Final Exam. In Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	2004	10	07	02	01	--	--	--	--	01	--	13	08
M.Sc	2005	02	07	01	04	01	02	--	--	--	--	03	14
M.Sc	2006	09	08	03	02	02	--	--	--	--	--	14	10
M.Sc	2007	16	05	02	01	--	01	--	--	--	--	18	07
M.Sc	2008	11	03	01	01	--	--	--	--	02	--	14	04
M.Sc	2009	09	05	01	--	01	--	--	--	03	--	14	05



65. Number of Students who Passed Final Exam. In Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	2004	10	07	02	01	--	--	--	--	01	--	13	08
M.Sc	2005	02	07	01	04	01	02	--	--	--	--	03	14
M.Sc	2006	09	08	03	02	02	--	--	--	--	--	14	10
M.Sc	2007	16	05	02	01	--	01	--	--	--	--	18	07
M.Sc	2008	11	03	01	01	--	--	--	--	02	--	14	04
M.Sc	2009	09	05	01	--	01	--	--	--	03	--	14	05

66. Number of Students who Secured University Ranks (please specify) in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
M.Sc	2004	01	--	01	--	--	--	--	--	--	--	02	--
M.Sc	2005	01	--	--	01	--	--	--	--	--	--	01	--
M.Sc	2006	01	--	01	--	--	--	--	--	--	--	02	--
M.Sc	2007	--	01	01	--	--	--	--	--	--	--	01	01
M.Sc	2008	01	--	01	--	--	--	--	--	--	--	01	--
M.Sc	2009	01	--	01	--	--	--	--	--	--	--	01	--

67. Number of Students who won Recognitions in Various Fields (Academic / Cultural / Sports, et cetera (please specify) in Various Programs (UG /PG / Certificate/ Diploma Courses) during the last 5 years

Program & Field of Recognition	Year	General		SC		ST		Cat. 1		OBC		Total	
		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.

68. Any Other Information

Nil

69. Contact Information of Institution / Department

Name of Contact Person	DR PP Mathur
Address for Communication	Prof. & HOD, DBC&MB
FAX Numbers	Nil
Telephone Numbers (please include codes)	2 65 4 419/417
E-Mails	ppmathur@gmail.com

70. Any efforts made by the Department to promote Campus Recruitment - Yes

71. Healthy practices of the Department.

1. The Department is providing Lab. procedures to the students.
2. The Department helps students in placement and training.
3. A large number of students have cleared various national examinations like CSIR-NET & GATE etc.

## ADDITIONAL INFORMATION

Are there any overseas students? Yes.

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Has the department organized

- Lectures/Seminars

National Science Day was held on Feb.28, 2008.

National Seminar on 'Recent Trends in Biochemistry' was held on March 2008.

National Seminar on Recent Advances in Biological Sciences, March 2009.

- Workshops: NIL

If yes, what is the nature and extend of student participation?

No. of students who have passed the following during the last six years: 124

- NET : 38
- SLET : Nil
- CAT : Nil
- TOEFEL : Nil
- GRE : Nil
- G-MAT : Nil
- KAS : Nil
- IAS : Nil
- Defense entrance : Nil
- Others : Nil

Titles of Research Projects : Refer column No:52

Is there any Student Counseling center in the department. Nil

Is there any Grievance Redressal cell? Nil

When did the Alumni – Association of the department got established? How many members are actively involved ? Give enrolment statistics. Nil

Place: Pondicherry 14

Date: 06.09.2009

Signature with Seal of Chairperson