

PONDICHERY 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		Chemistry									
2. Location of Institution		Pondicherry									
3. Name and Address of Institution		Pondicherry University, R.V Nagar, Kalapet, Pondicherry – 605 014									
Web/URL Home page Email		pondiuni.edu.in									
4. Year (Date if available) of Establishment		1987									
5. Built-up Area in Sq. Ft.		Around 44,000 Sq. Ft									
6. Institutional Autonomy		Yes									
7. Total Student Strength of the Department (2009)		Around 160									
8. Programs Offered: M.Sc, M.Phil, Five year Integrated Course & Ph.d											
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	
M.Sc											
24	21	3	Nil	1	21	2	21	2	Nil	Nil	
25	22	3	Nil	Nil	22	3	22	3	Nil	Nil	
24	22	2	1	1	21	1	20	2	Nil	Nil	
30	27	3	Nil	Nil	25	3	25	3	Nil	Nil	
26	25	1	Nil	Nil	Nil	Nil	25	1	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	
2004	04	02	00	00	00	00	04	02	Nil	Nil	
2005	00	00	00	00	00	00	00	00	Nil	Nil	
2006	04	01	01	00	00	00	03	01	Nil	Nil	
2007	10	02	01	00	00	00	09	02	Nil	Nil	
2008	12	05	01	01	00	00	11	04	Nil	Nil	
9. Number of Permanent Teaching Faculty 11						Male: 10		Female: 1		Total: 11	

10. Number of Teaching Posts Sanctioned	Professor: 01 Reader: 03 Lecturer: 08 Others (Please specify): Lab. Assistant:05
11. Number of Teaching Posts Occupied	Professor: 04 Reader: 02 Lecturer: 05 Others (Please specify): Nil

12. List of Technical Staff:							
Sl. No	Name	Sex	Date of Birth	Date of Super-annuation	Technical	Designation	Highest Qualification
1	G. Gugan	M	22.06.1990	30.8.2030	Yes	Jr.Lab Asst.	M.Sc
2	K. Chandru	M	30.11.1982	-*	Yes	Sr. Lab Asst.	M.Sc
3	B. Prem Aravind	M	30.07.1985	-*	Yes	Lab Attend.	M.Sc
4	K.Rekha	F	27.07.1982	-*	Yes	Lab Attend.	B.Sc
5.	D. Dandabany	M	25.06.1975	-*	Yes	Jr. Lab Asst.	B.Sc M.Sc (Pursuing)
	* Temporary staff						
13. Number of Administrative Staff				Clerical: Male: 01 Female:00 - Total: 01 Attenders: Male: 01 Female: 00 - Total: 01 Peons:- Male: 00 Female: 00 - Total: 00			
14. Whether the Institution has been assessed and accredited by any Agency like NAAC/NBA/AICTE/DEC/etc.?				Institution has been assessed and accredited by NAAC			

15. What are the admission policies in your institution? (Please strike out whichever is not applicable)	
(i) Admission based on Marks in Qualifying exam alone : No	
(ii) Admission based on (i) and Entrance exam (University /State / National level): No	
(iii) Admission based on (i) and / or (ii) and / or (iii) and / or Interview / Group Discussion: Yes	
(iv) Counseling for students done before Admission: Yes	
(v) Counseling for students done after Admission: Yes	
(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?	NA
17. When was the Admission Policy reviewed of late?	NA
18. How are the courses / programmes advertised?	Through University website and Newspaper
19. Number of Working days per semester?	NA
20. Number of Teaching days per semester?	NA
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?	2007
24. Are the curricula revised for all programmes simultaneously or partially?	All Programs
25. Does the institution have credit transfer system?	NA
26. Methods of Instruction followed	Power point, Blackboard,
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
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	Around 5 Crores
34. Fee structure per annum:	See Brochure

GENERAL AND INFRASTRUCTURAL FACILITIES

35. Does the Institution have Dept. Libraries? Are these connected with the main Library?	No No
36. Area of the Library in Sq. Ft.	NA
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	See library data
38. Number of Books purchased last year by Library	See library data
39. Is there a Computer Laboratory?	Yes
40. Area of the Computer Laboratory in Sq.Ft.	Around 820 Sq. Ft.
41. Number of Computers in the Institution	NA
42. Number of Computers Available for use by Students	15 – 15 will be added very soon.
43. Number of Computers Available for Staff	2
44. Is the Administration of the Institution computerized?	Yes
45. Does the Institution have an Auditorium?	Yes
46. Does the Institution have Canteen facilities?	Yes
47. Does the Institution have a Student Centre?	Yes
48. Does the Institution have facilities for Indoor Games / Reading Room / etc. ?	Yes
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	NA 15 NA NA NA NA

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.
EPR, Optical and theoretical studies of natural and synthetic minerals	Dr. P. Sambasiva Rao	CSIR	Spectroscopy	4.00 lakh + JRF/SRF/RA	Three years 2002-05	Six	Nil
Novel Mechanistic Analysis from Solvent Dependences in the Photochemical Study of Cobalt(III) Complexes in Aquo-Organic Solvent Media	Dr. K. Anbalagan	U.G.C.	NA	5.35729 lakh	Three years 2003-06	Nil	Nil
Design and synthesis of transition metal based supramolecules and molecular recognition studies.	Dr. Bala. Manimaran	DST-SERC. Govt. of India.	Organometallics and Supramolecular Chemistry	8 Lakh	Four years 2004-2008	One	Nil
Process Development of ethyl cyanoacetate	Dr. H.S. P. Rao	Anabond Ltd.	Organic Synthesis	About 2.0 lakh	Two years 2004-06	04	One
Total Synthesis of Azasteroids	Dr. H.S. P. Rao	CSIR	Organic Synthesis	About 6.0 lakh	Three years 2005-08	12	Nil
Ketene dithioacetal Chemistry	Dr. H.S. P. Rao	UGC	Organic Synthesis	About 5.0 lakh	Three years 2004-07	11	Nil

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.
Single crystal EPR studies on paramagnetic hosts doped with paramagnetic transition metal ions	Dr. P. Sambasiva Rao	CSIR	6.35 lakh + SRF	2008-11	Two	Nil
Single crystal EPR studies of transition metal ions in dia and paramagnetic host lattices	Dr. P. Sambasiva Rao	UGC	2.798lakh + Project Fellow	2008-11	Two	Nil
Single crystal EPR and X-ray studies of asymmetric dicopper(II) complexes having chemically distinct coordination	Dr. P. Sambasiva Rao	DST	27.96 lakh + JRF	2008-11	Nil	Nil
Interfacial Electron Transfer Dynamics in the Photoreduction of Cobalt(III) Complexes Anchored on Nanocrystalline Semiconductor Particles	Dr. K. Anbalagan	DST	18.00 lakh	2007-10	Nil	Nil
Photoassisted Reduction of Toxic Metal Ions in the form of Complexes in Aqueous Media using Polycrystalline Semiconductor Particles	Dr. K. Anbalagan	CSIR	9.00 lakh	2007-2010	Nil	Nil
Transition metal directed self-assembly of metalloprismatic supramolecules and host-guest interaction studies.	Dr. Bala. Manimaran	CSIR	7.42 lakh	2008-2011	Nil	Nil
An investigation of the enantioselective synthesis of BINOL by chiral Schiff-base transition metal complexes catalyzed aerobic oxidative coupling of 2-naphthol- adopting greener reaction condition, optimizing ligand designs and establishing mechanism by EPR	Dr.G.Vasuki	UGC	6.41 lakh	Three years	Nil	Nil

Multi-Component Reactions in Aqueous Medium– Synthesis of Privileged Medicinal Scaffolds- Azoles	Dr.G.Vasuki	DST	23.00 lakh	Three years	Two	Nil	
Cyclocarbaalumazenes, a New Class of Carbon Containing Metallacycles: Synthesis, Structure and Reactivity	Dr. N. Dastagiri Reddy	DST	~25.00 lakh	Three years	NIL	Nil	
Homogeneous copolymerization of Polar Olefins and Ethylene: Synthesis and Catalytic Properties of Pd & Ni Complexes of Tripodal (Pyrazolyl)borate, Anionic (Pyrazolyl)methane and N-Heterocyclic Carbene Ligands.	Dr. N. Dastagiri Reddy	CSIR	~17.00 lakh + RA/SRF /JRF	Three years	Nil	Nil	
Crystal engineering with sulfinic acid, sulfinamide groups and network structures	Dr. Binoy Krishna Saha	DST Fast Track Young Scientists	15.48 lakh	2007-10	One submitted	Nil	
Crystal Engineering With Substituted <i>cis,cis</i> -1,3,5-cyclohexanetricarboxanilide	Dr. Binoy Krishna Saha	Pondi. Univ.	3.00 lakh	2007-10	One	Nil	
Peptide Based Asymmetric Catalysis – Design and Synthesis	Dr. C.R. Ramanathan	DST	19.32 lakh	2007-10	One	Nil	
Conformationally Rigid Amino Acids: Synthesis and their Application	Dr. C.R. Ramanathan	CSIR	11.96 lakh	2007-10	Nil	Nil	
University Start-up Grant	Dr. C.R. Ramanathan	Pondi. Univ.	5.00 lakh	2006-09	Nil	Nil	
53. Has the Institution organized any Research Meetings During the last 5 years?		Yes					

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
National symposium on Electron Magnetic Resonance Spectroscopy (NSEMRS) on the occasion of Inaugural Meeting of EMRSI	National – organized by Prof. P. Sambasiva Rao	Symposium	140 (110 + 30)	February 4-5, 2005
National symposium on Electron Magnetic Resonance Spectroscopy (NSEMRS)	National – organized by Prof. P. Sambasiva Rao	Symposium	120 (100 + 20)	March 24-25, 2006
National Seminar on Novel Trends in Synthesis, Structure, Reaction Dynamics and Biological Studies of Coordination Compounds	National – organized by Prof. K. Anbalagan	Seminar	85	March 3-4, 2005

55. Has the Department Participated in any Special Schemes like UGC DRS / DSA / COSIP / ASIST / DST FIST / DBT , others. (Please Specify).	Yes – Obtained UGC.DRS and DST-FIST.
56. Has the Institution introduced any Innovations in Teaching (Please give details)	Power Point Presentation, LCD Screen Teaching and also Teaching using Multimedia applications.

INSTITUTIONAL / DEPARTMENTAL INFORMATION

57. Annual Budget of the Institution / Department during last 5 years.		Around 20 lakh											
58. Research Funds per Faculty Member during last 5 years		Around 2 lakh											
59. Ratio of Students to Faculty during last 5 years		Around 10 to 1											
60. Ratio of Number of Applications to Available Intake during last 5 years		40/1000											
61. Ratio of Number of Students Appearing for Exam. to Number of Successful Candidates during last 5 years (Final exam. Only)		Around 90%											
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	15	01	04	02	-	-	01	-	01	-	21	03
	2005	09	03	04	-	02	-	01	-	06	-	22	03
	2006	16	-	-	02	02	-	-	-	04	-	22	02
	2007	08	02	05	-	01	01	01	-	12	-	27	03
	2008	08	01	03	-	-	01	01	-	13	-	25	01
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	-	01	-	-	-	-	-	-	-	03	-
	2005	-	-	-	-	-	-	-	-	-	-	-	-
	2006	03	-	02	-	-	-	1	-	-	-	06	-
	2007	-	-	01	-	-	-	-	-	1	-	02	-
	2008	01		-	-	-	-	-	-	-	-	01	-
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	15	01	04	02	-	-	01	-	01	-	21	03
	2005	09	03	04	-	02	-	01	-	06	-	22	03
	2006	16	-	-	02	02	-	-	-	04	-	22	02
	2007	08	02	05	-	01	01	01	-	12	-	27	03
	2008	08	01	03	-	-	01	01	-	13	-	25	01

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	14	01	04	01	-	-	01	-	01	-	20	02
	2005	06	03	03	-	01	-	01	-	06	-	19	03
	2006	15	-	-	01	-	-	-	-	04	-	19	01
	2007	08	01	03	-	01	-	01	-	12	-	25	01
	2008	08	01	03	-	-	01	01	-	13	-	25	01

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	02	00	00	00	00	00	00	00	00	00	02	00
	2005	02	01	00	00	00	00	00	00	00	00	02	01
	2006	02	00	00	00	00	00	00	00	00	00	02	01
	2007	02	01	00	00	00	00	00	00	00	00	02	01
	2008	02	00	00	00	00	00	00	00	00	00	02	00

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 **Most of them cleared GATE/CSIR-JRF.**

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	P. Samba Siva Rao
Address for Communication	Dept. of Chemistry, Pondicherry University
FAX Numbers	0413-2655987
Telephone Numbers (please include codes)	0413-2654412, 0413-2654410
E-Mails	psr52in@yahoo.co.in , head.che@pondiuni.edu.in

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

Various industries visit the department in February and March every year to recruit the final year M.Sc. students. The intake by industries is high and most of the students, who do not join for Ph.D. due to various reasons, are absorbed by industries.

71. Healthy practices of the Department. Each student has been attached to a faculty member and he regularly gets academic and other advises by the faculty member. Welcome and send off parties are arranged by students, in addition to their participation in running seminars/symposia by the department.

ADDITIONAL INFORMATION

Are there any overseas students? Nil

Has the department organized

- Lectures:

Yes. The department invites experts in various branches of Chemistry and arranges seminars by the experts. The students have given an opportunity to discuss with the experts. In addition, any foreign dignitary is visiting Chennai, efforts are made to invite him to our department. Various industry people are also invited to enhance the university-industry interface.

- Workshops:

Yes. We arranged a Green Chemistry workshop for the benefit of our students.

- Seminars:

Yes. A number of national seminars have been arranged, See the data provided in the above pages.

- Conferences:

Yes. A number of national seminars have been arranged. See the data provided in the above pages. The department also conducted Refresher courses with the help of Academic College to cater the needs of college and University teachers.

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

Students are part and parcel of every seminar, symposia or workshop arranged in the department. M.Sc. students, M.Phil. students and research scholars actively participate in all the events of the department.

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

- NET ::around 95
- SLET :: 06
- CAT :: Nil
- TOEFEL ::03

- GRE :: 03
- G-MAT :: Nil
- KAS :: Nil
- IAS :: Nil
- Defense entrance :: Nil
- Others :: 04

Titles of Research Projects :
See above – items 51 and 52

Is there any Student Counseling center in the department? Yes

Is there any Grievance Redressal cell? : Yes, in the University

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

It is in the process. Will be ready within 6 months or so.

Place: Pondicherry
 Date: 10/09/2009

Signature with Seal of Chairperson