

**ASHOK & RITA PATEL INSTITUTE OF INTEGRATED STUDY & RESEARCH
IN BIOTECHNOLOGY AND ALLIED SCIENCES, NEW VALLABH VIDYANAGAR.**

ANNUAL REPORT 2007-08

It is my pleasure and privilege to put before you the achievements of this premier institution in the 3rd Annual Report. It was a satisfying year for all of us here.

ARIBAS in general aims at preparing the talented young students from various back ground to become a scholar in the field of Biotechnology which is an emerging field today. This institution is doing well in accomplishing this task. As on today, we have **418 students** – (325- IGBT, 55- M. Sc Microbiology & 38- M. Sc. Pharmaceutical Chemistry) on our roll hailing from various parts of the state with different economic, religious and social background.

Academic Achievements:

Our Achievement in the University examination held in December, 2007-08 has been very impressive

Result of the First Term during Academic Year 2007-2008

M.Sc. (Integrated) Biotechnology - Semester I (130 Students)

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	Overall Result
First with Distinction	23	17.69	
First	44	33.85	
Second	54	41.54	
			99.23 %

Semester III (128 Students)

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	Overall Result
First with Distinction	20	15.63	
First	52	40.63	
Second	52	40.63	
			100 %

Semester V (67 Students)

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	Overall Result
First with Distinction	29	43.28	
First	30	44.78	
Second	8	11.94	
			100 %

M.Sc. Pharmaceutical Chemistry - Semester I (9 Students)

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	Overall Result
First with Distinction	-	-	
First	5	55.56	
Second	4	44.44	
			100 %

M.Sc. Pharmaceutical Chemistry Semester III (29 Students)

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	Overall Result
First with Distinction	2	06.90	
First	19	65.52	
Second	8	27.59	
			100 %

M.Sc. - Microbiology - Semester I Total : 12 students

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	<i>Overall 100%</i>
First	6	50.00	
Second	6	50.00	

M.Sc. - Microbiology - Semester III Total: 43 students

<i>Class</i>	<i>Total</i>	<i>Percentage</i>	<i>Overall 97.6%</i>
First with Distinction	2	4.65	
First	26	60.47	
Second	14	32.56	

Ms. Vilas Patel (IIIrd sem) secured 1st rank in the University and Ms. Shreya and Ms. Anubhuti ranked Third with equal marks in University.

We know that there is still further scope for improvement and we are constantly moving towards this goal. I am delighted to put before you the fact that we are motivating our students to **compete in National level exams and many of our M. Sc students are appearing for the NET exam to be conducted in May, 2008**

Library Facilities: We are modestly trying to make our library to be one of the best in this region on Biotechnology. We have added around **700 new books** to our previous collection to make it **>2250 books**. We have placed orders for more books and **will cross 3000 mark** by end of next year. We are subscribing **14 Journals (added 9 more this year)** and **10 magazines** at present. We are adding more journals and periodicals and working for the online subscription. We are making a humble but dedicated effort to provide special emphasis on mastering the competence based on future trends; hence the students are put through the paces. We create an environment where intellectual curiosity is kindled and students are inspired to use the library and scan the website for knowledge. **I am happy to announce that all the 418 students(100 %) have created their own e-mail id.**

Website launching: The website our institute was launched by Hon./C Secretary, CVM **Princ. R.P. Patel** on **24th August 2007**. Till date more than 3000 hits and more than 50 queries have been received regarding admissions, facilities available for research etc. The website covers the information on our academic programs, infrastructural facilities, staff, research areas, photo gallery, information on exam and result, admission forms, syllabus of all the courses, open source download programs and so on..

A special session on **“Web Hosting and Domain Development”** was arranged on **18th Feb, 2008**. The importance of our own webpage was explained by Mr. Samrat Khanna from ISTAR involving all the faculties including students of the institute.

We have prepared a brochure enlisting our academic programs and have sent to more than 60 science colleges of Gujarat for putting it on their Notice Board mentioning our PG academic programs of biotechnology, PCH and Microbiology. We are receiving queries of TY B Sc students for the admission.

Guest lectures: In order to develop a holistic personality of students, we greatly stress on developing communication skills and self confidence. We arrange guest lectures by eminent personalities. **Dr. H.C. Vaidya, Vice-President (R& D), Siemens, California, USA** delivered a lecture on **“Multiple Drug Resistance”** on 22nd January, 2008. We also regularly arranged lectures from the faculties of Bioscience Department of S P University.

CDC Program: Career Development Course was organized on **19-20 Dec, 2007** by H.M. Patel Career Development Center, Vallabh Vidyanagar. The one week course was mainly aimed to guide the students about general awareness, logical abilities and aptitude towards academics, personality

development and knowledgeable skills by setting a goal for better career development in future. We also arranged **Career Counseling and Mock interview** for our M. Sc. Microbiology and Pharmaceutical Chemistry Students on **13th December 2007** in order to expose them to face interviews confidently.

Foreign Tour: Prof. P M Mehta, Ex Hon. Director was on tour to USA for 3 months (July- October, 2007) and visited seven different universities in USA. He interacted with their faculties for a possible tie up for research collaboration. He is also helping our faculties for getting research grant from different funding agencies.

“Career Orientation” Lecture Series: We had arranged “**Career Orientation**” lectures for the students of 6th semester and their parents for knowing the scope and future of different branches of Biotechnology and selecting their right option in the field of Biotechnology on **2nd February 2008**. All the students and around **100 parents** attended the program and they appreciated this effort which we came to know through their feedback.

Sr. No.	Name of Speaker	Topic
1	Dr. Datta Madamwar, Dept. of Bioscience, SP University, VVnagar	Scope of General Biotechnology as career option
2	Dr. S R Dave, Head, Microbiology & Biotechnology, Gujarat University, Ahmedabad	Future Environmental Biotechnology : Current Scenario
3	Dr. Harish Padh, Director, PERD, Ahmedabad	Medical Biotechnology : A Road Ahead as Career
4	Mr. Tushar Jani, European Union - Biotech Resource Center, Ahmedabad	A Career in Industrial Biotechnology

Campus Interview:

We are in touch with more than fifty companies regarding campus interview and many of them have shown keen interest in coming for Campus Interview and future research collaborations. **Zydus Cadila** was the first company to come for Campus Interview and 64 students of M. Sc. Microbiology and Pharmaceutical Chemistry appeared and 12 students got selected in preliminary round and finally **five students got appointment order**. They have also promised to come again in future. **I am happy to announce that Alembic Ltd., Sun Pharma, Intas, Cadila lab is planning their campus interview in the next month.**

Out of 43 Students in M. Sc. Microbiology, 30 Students are working for their Dissertation in various academic and research laboratories of Alembic, Intas biopharma, Zydus Cadila, Cancer Research Institute, M.S. University, Gujarat University, Saurashtra University and South Gujarat University. Remaining 13 are working in our institute for their dissertation.

Detailing of Syllabus:

We had arranged a **Brain Storming One Day Symposium** for syllabus preparation with eminent personalities in the field of Biotechnology from SP University, M.S. University, Gujarat University, Medical Colleges and Industry experts on **27th July 2007** for 7th and 8th Semesters and revised syllabus for 1st and 2nd Semesters. After thorough discussion, the syllabus titles were prepared keeping in view all aspects of the subject. **The experts were of the opinion that the new syllabus can match with the best module for Integrated Biotechnology available in India.**

Parents Meet:

An Open House was arranged on **22nd Sept,2007** in the form of a “**Parents – Teachers Meet**”. The meet was accomplished successfully involving approximately more than **150 parents’** along with their wards. The programme was enlightened by an interaction between faculties, parents and students focusing on the multi-disciplinary facets of career, presence, discipline and academic performance.

Endowment Fund:

All the out going M. Sc (PCH) -100% and 75% - Microbiology students have willingly donated Caution Money in Endowment fund. Rest 25% students are busy for their dissertation at several institutes but have shown willingness for this noble cause.

Non Academic Achievements by the students:

1. Paper Presentation:

1. Fifteen students of ARIBAS participated in **All Gujarat SCIENCE EXCELLENCE-2008(scixl-2008)** on **5th January-2008** in Poster and Oral presentation in different subjects. We have won **six prizes (Four students stood 1st while two ranked 2nd prizes)** amongst **850 students**.

Oral Presentation :

Shalvi Arora	Sem IV	Environmental Science	I prize
Jaymin Jadav	Sem VI	Biotechnology	II prize
Pallavi Kher	PCHIV	Chemistry	I prize

Poster Session

Maulin Patel	Sem VI	Biotechnology	I prize
Gunjan Vyas	Sem VI	Biotechnology	II prize
Purav Bhatt	Sem IV	Physics	I prize

Five students of our Institute were felicitated by Charutar Vidya Mandal on Vidya Nagar Day celebration on 3rd March, 2008.

2. Three students participated in **3rd National Level Symposium-2008** at Christ College, **Rajkot** in **Oral Presentation** on **6th January, 2008**. Mr. Alok Patel of 6th Semester (IGBT) won the **1st Prize** amongst **700 students**.
3. The team of IVth semester (IGBT) has won **2nd Prize** in debate competition on Renewable Energy Resources held during **Vidyog – 2008**.
4. Our IVth semester student **Mr. Yash Pandya** has been selected by All India Radio, Ahmedabad as drama artist among 800 participated for the selection during January 2008.
5. Three Students from 2nd semester Ms. Priya Mehta, Mr. Rikesh Jain, Mr. Smith Rathod had participated in **Inter-College Physics Quiz Competition** from Vallabh Vidyanagar Chapter of **Indian Physics Association** in **January – 2008** and **won 1st prize**.

2. Youth Festival Activity:

Our students participated in various competitions conducted by Sardar Patel University during Youth festival and brought laurels to the Institute.

1. Our team of **10 students** participated in **folk dance** and **won 1st prize** and **represented S P University** for participating in **Inter- University Youth Festival Competitions** held at Gwalior.
2. Our college team **won 3rd prize** in **Inter-Collegiate Debate competition** in **S P University Youth Festival**

Sports Activity:

Physical training and Games form an integral part of education. We had our **Annual Sports Meet** from **27th to 29th December 2007** and organized various sports events. Our students have also actively participated in various sports events conducted by Sardar Patel University like Foot Ball, Volley Ball, Tennis, kabbadi, chess, cricket and basket ball and brought laurels to the Institute. Our students **represented SP University** in **volley ball** and **kabbadi (Digvijay singh)** and **Lawn Tennis (Purav Bhatt)**.

Achievement in Sports:

Mr. Purav Bhatt, IVth Sem, IGBT **represented S P University in West Zone Inter University Lawn Tennis Competition** and has beaten Jivaji Gwalior University, Amravati University Bhopal, Regional Rajasthan University and have also won the doubles round against Mumbai university in Quarter finals. He will enter the semifinals of **All India Inter-University Lawn Tennis**, if he wins one game. He has been a wonderful player who has brought great credit to the Institute and cvm.

4. Blood Donation Camp:

Our students are taught to look at the world with a lot of concern and get ready to lend a helping hand in times of need. We arranged a Blood donation camp on **25th July, 2007** and 65 bottle of blood were collected from the staff and students.

I am very glad to inform you that in order to give an opportunity to organize functions, we celebrated Fresher's day, Independence day, World Education day and Teacher day too.

5. National Science Day Celebration:

The nation is celebrating the "**National Science Day**" in fond memory of Sir C V Raman on 28th February every year to create awareness about science amongst the youth; we also had arranged series of lectures of eminent academicians. Apart from lecture series, we also organized Poster, Model and Quiz competition on that day.

Sr. No.	Name of Speaker	Topic
1	Dr. K N Joshipura, Dept. of Physics ,S P University, VVnagar	<u>Unity in Diversity: Electromagnetic Wave</u>
2	Dr. R K Shukla, Retd. Professor, Sundaram Park, Jitodiya Road, Anand	<u>Biology in Day-today Life</u>
3	Dr. Sunil Trivedi, Prof. of Microbiology, PS Medical College, Karamsad	<u>AIDS: The Cause and Concerns</u>
4	Dr. H G Vyas, Director, ARIBAS	<u>Dolly.. Now Human Cloning: Should We !??</u>

Educational and Industrial Tours:

1. Study tour was organized on **19th and 20th January 2008 to Sasan Gir and Girnar Hill** to make the students aware of plant biodiversity.
2. An Industrial study tour was organized on **8th March, 2008** for the PG students of Pharmaceutical Chemistry and Microbiology to **Sun Pharma, ZydusCadila and Alembic Ltd. at Baroda**

Achievements by Faculties:

The activities which improve quality of education of their Institution and the faculties also learn the art of teaching will add freshness to their teaching. The strength of our teaching faculty was enhanced by **addition of 12 (10 Lecturers + 1 Reader + 1 Professor)** with **3 Adhyapak Sahayak** making it to **25** faculties this year. Recently, **8 more faculties (1 Reader + 7 lecturers)** have been added who will be joining from **June, 2008**. This will make it to **33 faculties**.

1. **Ph D Degree Awardees - 2007- 08:** Three faculties, Dr. Geetha Rajendran Dr. Hiren Doshi and Dr. Swati Narolkar have been awarded Ph. D degree in current year. Mr. Hiren Soni and Mr. Digvijaysingh Rana completed their Ph. D and submitted the thesis.
2. **Dr. H G Vyas**, participated in **Executive Development Program (14th EDP)** for College Principals at Pune organized by the Association of Indian College Principal forum during 19.12.2007 to 24.12.2007 for six days. **He was adjudged the Best Principal among all participants.** Mr. Hiren Patel, student of **Dr. H G Vyas**, won the **1st prize** at **State Level Post Graduate Best thesis and research paper award and cash prize** at Sardar Krushinagar, Dantiwada on 14/15th February, 2008. He is finalizing a research scheme of Rs. 15.00 lakh to be submitted to GSBTM, Gandhinagar.
3. **Dr. Rajiv Vaidya**, our family member, won **Natwarbhai Motibhai Patel best Research Paper award and cash prize of Rs. 5000/- in Physics.** He has prepared a research scheme and about to submit to GUJCOST for approval in next week.
4. **Dr. Hiren Soni**, one of our faculties, has been credited with 12 publications (6 international + co-authored 2 chapters in books + 4 papers in national journals), covering wide spectra of biodiversity, ethno-botany, anthropogenic interventions, bio-monitoring and ornithology. Similarly, **Dr. JB Chauhan** has also been credited with 6 international and 3 national papers this year.
5. **Dr. Anju Kunjadia**, one of lecturers, has been granted an Indian patent as a team member for her work.
6. **Mr. Brijesh Jajal and Mr. Sohil Patel** needs special thanks for putting their brain for developing the website of our Institute. We are weekly updating the site with news and different activities of the institute. **Ms. Himani Gohel** has been a team member in developing a website for utilizing Bioinformatics Tools.

Our staff members have been motivated for research and have been keen in publishing the research work. It gives me immense pleasure to announce that **26 papers in International journals and 13 in National journals** have been published. Our faculties have presented their research work in **6 (International) and 26 (National) conferences and symposiums.** They have **co-authored three chapters in books** and got associated with **one patent.**

This momentum has boosted them to write research proposals for financial support. Our faculties have already initiated the efforts. As you are aware, the new building will be operational by June, 2008 and we are all committed and excited to put in hard work for the institute.

Salient achievements of the faculties during 2007-08

Sr. No	Name	Publications		Seminar / conference		Any other achievements
		International	National	International	National	
1	Prof. Harendra G. Vyas	02			01	Best paper Award
2	Dr. Jenabhai B. Chauhan	06	03			
3	Dr. Ritu B. Dixit	01	-	-	02	
4	Dr. Anju P. Kunjadiya	01	-			1 Indian patent granted
5	Dr. Rajiv D. Vaidya	-	02	-	02	Best paper Award
6	Mr. Brijesh R. Jajal	-	-	-	01	
7	Mr. Hiren B. Soni	06	04	-	-	Co-authored in Two diff. chapters in books
8	Dr. Kinnari N. Mistry	-	-	-	03	Best paper Award
9	Dr. K. Saroja	-	-	-	01	
10	Dr. Swati N. Narolkar	-	-	-	01	
11	Mr. Swagat R. Barot	-	-	-	01	
12	Dr. Bushra Jarullah	01	01	-	-	
13	Dr. Kishore Chauhan	-	-	01	-	
14	Dr. Geetha Rajendran	02	-	-	-	
15	Dr. Jignesh P. Raval	-	-	02	02	
16	Dr. Nilesh Patel	-	-	01	02	
17	Mr. Digvijaysinh Rana	-	-	01	-	
18	Dr. Kaushik Patel	01	02	01	-	
19	Dr. Hiren Doshi	02	-	-	-	Co-authored One chapter -accepted.
20	Dr. Mukund Thakur	01	-	-	01	
21	Dr. Kalpesh Ishnava	-	-	-	01	
22	Dr. Sanjay Lal	-	-	-	02	
23	Mr. Sanjay Parekh (Lib.)				03	

Adhyapak Sahayak

1	Mr. Bhavin Bhatt	02	01	-	02	
2	Miss Anjali Parikh	-	-	-	-	
3	Miss Himanidevi Gohel	-	-	-	01	
	Total	26	13	6	26	

Before I conclude, let me put on record my gratitude to the untiring and praise worthy help and support rendered by our management "CVM", the Chairman Sir, all Secretaries, Prin. R P Patel in particular, pillars of CVM, for untiring help and guidance. I once again thank you sir, on behalf of our Institute. I thank my Colleagues and all non-teaching staff who have worked as one team with great devotion and dedication with the motto of 'Winning' as the "achieve mantra". I assure you sir, next year is expected to be still better than this one.

JAY HIND
