

Dr. Raja Rao P., Ph.D(Osm), FIE(I)
Associate Professor (Former **Chairman, B o S**)
(Visiting Faculty – **Environmental Science**)
Univ. College of Technology, Osmania University, Hyderabad
Date of Birth 01.11.1962

Objective

Seeking for a challenging position in a teaching, research and policy making institute / organization where my skills and knowledge can be effectively utilized. The ideal position will offer diverse tasks and opportunity to work with a team.

Areas of interest

Bio Technology, Environmental Bio Technology. Environmental Sciences and Engineering, Pollution Studies and Membrane Technology

Current interest

Intellectual Property Rights, Education Technology, Environmental Legislation, Separation Techniques

Academic Qualifications

Ph.D.(Environmental Science, 2012) (Osm Univ., Hyd.)

Title of Thesis : **Studies on the applications of Membrane Technology in the treatment and management of industrial waste waters**

M.Tech.(BioTechnology, 1990) 1st Div. (Andhra Univ.)

Title of Thesis : Kinetics of Enzymatic Saccharification of Tamarind Kernel Starch

M.Sc.(Dip.Env.Sciences, 1998) 1st Div. (Andhra Univ.)

B.Tech. (Chemical Engineering, 1985) (Andhra Univ.)

Research Experience

Senior Research Fellow (C.S.I.R., New Delhi) - Dept of Chemical Engg, Andhra Univ., from July, 1990 to Sep.1991. [1 year 3 months]

Teaching Experience

Assistant Professor of Chemical Engg,(Osmania Univ, Hyd) Sep.1991 – Sep.2001 (**10** years)

Associate Professor of Chemical Engg,(Osmania Univ, Hyd) Sep.2001 – till date) (**14** years)

(Scale of Pay – UGC RSP 2006 – **Rs37400 – 67000 + AGP 9000/-**) (Gross Salary Rs1,50,237/- Nov15)

Consultancy

Offering consultancy services on Environmental Impact Assessment, Environmental Management, Air and Water Pollution and Industrial Effluent Treatment

Subjects Teaching (Presently)

Semester	Class	SUBJECT
First	B.TECH(Chemical Engg)	POLLUTION CONTROL IN PROCESS INDUSTRIES
	M.Sc.(Environmental Science)	AIR & NOISE POLLUTION AND CONTROL
	M.TECH (BCE & BT)	INDUSTRIAL MICROBIOLOGY
Second	B.TECH(Food Tech)	WASTE MANAGEMENT IN FOOD INDUSTRIES
	M.Sc.(Environmental Science)	1.WATER AND LAND POLLUTION 2.ENVIRONMENTAL LEGISLATION
	M.TECH (BCE & BT)	1.DOWN STREAM PROCESSING 2.INTELLECTUAL PROPERTY RIGHTS

*Subjects taught (earlier) – to - graduate students of Chemical Engineering (B.Tech) and Post graduate students of **Environmental Sciences** (M.Sc)*

- 1) Mechanical Unit Operations
- 2) Chemical Technology (Organic & Inorganic)
- 3) Environmental Engineering
- 4) Mass Transfer Operations
- 5) Heat Transfer
- 6) Solid Waste Management
- 7) Environmental Studies
- 8) Bio Chemical Engg

Resource Person

Delivering Lectures on **Ecology, Environmental Pollution and Control, Environmental Management** to

UGC - Academic Staff College -- Hyderabad Central University., Gachhibowli, Hyderabad

UGC - Academic Staff College -- Osmania University., Hyderabad

Small Industries Service Institute (Govt. of Inda), Bala Nagar, Hyderabad

Private Engineering & Pharmacy Colleges in and around Hyderabad City

Published papers in journals :

S.No	Title with page nos	Details of publication & Name of the journal	ISSN/ ISBN No	No of Co-authors	Whether you are the main author
1.	Production of citric acid by <i>aspergillus niger</i> using oat bran as substrate	International Journal of Chemistry and Chemical Engg. (Dec2013)	2248 - 9924	1	Yes, First author
2.	Studies on Biosorption of Heavy Metals using pretreated biomass of fungal species	International Journal of Chemistry and Chemical Engg. (Dec2013)	2248 - 9924	1	Yes First author
3.	Removal of Heavy Metals in fly ash by using <i>saccharomyces cerevisiae</i>	International Journal of Applied Engineering Research (Jan 2014)	0973 - 4562	2	Yes First author
4.	Synthesis and anti microbial activity of novel benzo furan derivatives bearing sulphonamide and phenylcarbamate moities	International Journal of Applied Engineering Research (Jan 2014)	0973 - 4562	4	Third author
5.	Production, isolation and purification of peroxidase using <i>bacillus subtilis</i>	International Proceedings of Chemical, Biological and Env Engg (Env, Biotech & Chem) (Jan 2014)	2010 - 4618	1	Yes First author
6.	Production of lactic acid by <i>lacto bacillus casei</i> using whey as substrate	Journal of Pure & App Physics (Presented the Paper in International conf. on Nano, Bio & Material Science) (In press)(Jan 2014)	0974 - 8970	2	Yes First author
7	Trace elements and their toxic effects in the ground water of P cheru industrial area of A.P.	Bulletin of Pure and Applied Sciences(Geology) [Accepted (In press)]	0970 - 4639	3	Second author
8	Removal of metal ions from waste waters using ultra filtration	International Journal of Biological Sciences and Engineering (communicated)	0976 - 1519	2	Yes First author

Papers presented in International conferences(International)

S.No	Title of the Paper	Details of conference publication	ISSN/ISBN No
1.	Waste Management through Chain Linking and Blending of Wastes	The Fourteenth International Conference on Solid waste Technology and Management, (1998) Widener University Philadelphia, PA, USA	1091-8043
2.	Municipal Waste Processing and Management	The Sixteenth International Conference on Solid waste Technology and Management, (Dec.2000) Widener University Philadelphia, PA, USA	1091-8043
3.	Domestic Solid Waste-Recovery and Reuse- A Case Study in Hyderabad city	The Sixteenth International Conference on Solid waste Technology and Management, (Dec.2000) Widener University Philadelphia, PA, USA	1091-8043
4.	Characterization and Utilization of certain Indian Industrial and Agricultural wastes	The Seventeenth International Conference on Solid waste Technology and Management, Widener University Philadelphia, PA, USA (Oct.2001)	1091-8043
5.	Bio Medical Waste Management-An Approach for Clean Development Mechanism	The Twenty second International Conference on Solid waste Technology and Management, (2007) Widener University Philadelphia, PA, USA	1091-8043
6.	Utilization of Certain Important Agricultural and Industrial Waste of Andhra Pradesh-India	The Twenty second International Conference on Solid waste Technology and Management,(2007) Widener University Philadelphia, PA, USA	1091-8043

Invited lectures/Guest Lectures at National Conference / Seminar etc

S. No	Title of the Lecture/Academic Session	Title of Conference/ Seminar	Organized by	Participants
1	Effluent treatment - principles and practices	Refresher course for Teachers of Botany	Dept of Botany U.C.S., O.U, Hyd	University-College level Teachers
2	NSS-Programs Role of teachers in Clean and Green of Env.	Orientation Program for NSS-Program officers	NSS - TOC Unit Osmania Univ. Hyderabad	University-College level Teachers
3	NSS-Programs Social forestation-Safe guarding the Nature	Orientation Program for NSS-Program officers	NSS-TOC unit Osmania Univ. Hyderabad	University - College level Teachers

4	Pollution and its Control- Role of Teachers in Environment Mgt	Refresher course for University and College Teachers	Govt. City College (near High court) Hyderabad	University-College level Teachers
5.	Solid Waste Management Practices in India	Orientation Program for Small Industries Enterprenuers	Small Industries Service Institute (SISI) (Gov. of India) Bala nagar, Hyd	State level – Technical/ General Enterprenuers

Full papers presented in conference proceedings (National)

S.No	Title of the paper presented	Title of Conf/Seminar	Organized by	Level of seminar & Participants
1.	Chemical and Env. Engg. Education for a cleaner and safer environment	Habitat beyond 2000 (Nov. 1999)	Dept. of Civil Engg., D S College of Engg. Bangalore	National (Teachers ,PG Students, Res Scholars)
2.	Environmental BioTechnology... .. Pollution control	National seminar on advances in Chemical Engg. and BioTech(2007)	Dept. of BioTech, St.Joseph's college of Engg., Chennai	National (Teachers ,PG Students, Res Scholars)
3.	Techniques to eliminate water pollutant for reduction of water pollution levels	National seminar on pollution control, Env. Protection and Green Power (Dec 2006)	Shri Raman Edu. Society Secunderabad., FAPCI, Hyd., IST, JNTU., OU, Hyd	State Level (Teachers ,PG Students, Res Scholars)
4.	Ecosystems-problems and conversation	National workshop (June 2007)	S.N.I.S.T, Ghatkesar, Hyd	National (Teachers ,PG Students, Res Scholars)
5.	Bio remediation-Principles and Practices	National workshop (June 2007)	S.N.I.S.T, Ghatkesar, Hyd	National (Teachers ,PG Students, Res Scholars)

On going projects/ Research projects:

S.No	Title	Agency	Period	Grant/Amount Mobilized(Rs lakh)
1	Modernization of Mech Unit Operations and Effluent separation lab	A.I.C.T.E., New Delhi	2013 - 2015	Rs 6.60 Lakhs

Completed Research Projects

S.No	Title	Agency	Period	Grant/Amount Mobilized(Rs in lakhs)
1.	Waste water Engg..... Modifications and Alternatives	A.I.C.T.E New Delhi	1997-2000	Rs 4.0 lakhs
2.	Multimedia in continuing	A.I.C.T.E New Delhi	1997-2000	Rs 4.0 lakhs
3.	Pollution Abatement solid waste Management (MJRP)	U.G.C., New Delhi	1998-2001	Rs 5.0 lakhs
4.	Removal of Metallic Pollutants from Waste Waters	U.G.C-unit O.U	1996-1998	Rs 10,000=00

Faculty Development Programmes (International courses and National programs)

S.No	Name of Program/Course	Duration	Organized by	Level
1.	Customized training program on “Processing and characterization of advanced materials”	March 2009 (one week)	Dept. of metallurgical and Material Engg. ,The Univ of Alabama Tusculoosa, AL, USA	International
2.	40 hr Modular training on lab-on-chip (biomaterial development)	March 2009 (one week)	Micro system packing Research centre, Georgia Institute of Technology, Georgia, Atlanta, USA,30332	International
3.	Protein Purification : Principles and Practices	June 2007 (one week)	Dept. of Bio Chemistry and Micro Biology, The State Univ. of New Jersey, Rutgers, NJ, USA, 08901	International
4.	Customized Training Program on “Analytical tools and Techniques”	May-June 2007 (2 weeks)	M/S Core Pharma LLC, 215 Wood Avenue NJ, USA,08846	International
5.	S.E.R.C School on “ Waste Water Management : Recycle and Reuse ”	Oct. 2005 (one week)	Dept. of Chem Engg., I.I.T, Madras [Sponsored by DST, GOI, New Delhi]	National
6.	Orientation and Training program on “ Intellectual Property Rights”	Jan 2005 (Two weeks)	Dept. of law Osmania Univ. Hyd (Sponsored by M.H.R.D, GOI, New Delhi)	National
7.	Training Program on Hitachi Scanning Electron Microscope	Aug. 2009 (one week)	Hitachi-High Technologies Pvt. Ltd, Singapore	International

Summer – Winter Schools / Refresher Courses attended

S No	Name of the course/ Summer School	Place	Duration	Sponsoring Agency
1	AICTE-ISTE short term training program on “Institution management : e. governance”	J.N.T.U College of Engg .,Hyd	April-May 2001 (Two weeks)	A.I.C.T.E New Delhi
2	SERC school on “ waste water management : Recycle and Reuse ”	Dept. of Chem Engg I.I.T, Madras	Oct. 2005 (one week)	Dept. Of Sci & Tech Govt. Of India New Delhi
3	Orientation and Training program on Intellectual Property Rights	Dept. of law O.U, Hyd	Jan 2005 (two weeks)	M.H.R.D Govt. Of India New Delhi
4	AICTE-ISTE short term training program on “Internet & E. commerce”	Dept. of Bus. Mgt. O.U., Hyd	Nov. 2000 (two weeks)	A.I.C.T.E New Delhi
5	AICTE-ISTE training program on “Computational methods in Chem. Engg”	Dept. of Chem. Engg. REC, Warangal	June 2000 (two weeks)	A.I.C.T.E New Delhi
6	AICTE-ISTE short term training program on “ Environmental Evaluation of developmental projects ”	Dept. of civil Engg. REC, Warangal	Dec. 99 – Jan. 2000 (two weeks)	A.I.C.T.E New Delhi
7	AICTE-ISTE short term training program on “Corporate Planning and Policy Design”	Dept of Mech Engg, A.U., Waltair	Dec 2007 – Jan 2008 (2 weeks)	A.I.C.T.E New Delhi
8	Orientation course for College and University Teachers	Academic Staff College Osmania Univ., Hyd	July 1997 (two weeks)	U.G.C New Delhi
9	AICTE-ISTE short term training program on “ Alternate fuels and Energy Mgt ”	Dept of Mech Engg, O.U., Hyderabad	July 1996 (one week)	A.I.C.T.E New Delhi
10	I.S.T.E Sponsored Summer School on “ Advanced Waste Water Treatment ”	Dept. of Chem. Engg, Coimbatore Inst. of Tech. Coimbatore (TN)	May 1994 (Two weeks)	I.S.T.E New Delhi
11	I.S.T.E Sponsored Summer School on “ Env pollution and control methodologies ”	Centre for Env. J.N.T. Univ. Hyderabad	May 1993 (Two weeks)	I.S.T.E New Delhi
12	I.S.T.E Sponsored Summer School on “ Advances in liquid Waste Water pollution Control ”.	Dept . of Civil Engg S.V. Univ. Tirupathi	June 1992 (two weeks)	I.S.T.E New Delhi

Research guidance

Course	Number Enrolled	Thesis Submitted	Degree Awarded	To be Awarded
M.Phil/M.Tech (BCE & BT)	40 (last 5 academic years)	35	31	09
B.Tech & M.Sc	Many students	Part of course work	----	---

Administrative Positions held & Nature of responsibilities

1.	Chairman , Board of Studies in Bio Technology (Aug2010 – Aug2015) (Faculty of Tech), OU.	Preparation of panels of(theory and practical) external examiners U.G and P.G, Moderation of question papers, Evaluation of results
2.	Training & Placement Officer UCT, OU, Hyd (2007 – 2010)	Arranged Group Discussion and Placements with M/s Infosys, M/s Wipro Tech, M/s CTS.....etc
3.	General Warden- Technology Hostels UCT, OU, Hyd (2002 – 2005)	Providing necessary arrangements, power, water, sanitation etc..
4.	Additional Chief Warden Technology Hostels & Mess UCT, OU, Hyd (2005 – 2008)	Good Facilities and good dining conditions provided in mess hall, living rooms and grounds
5.	Member of Academic Council, Member of Departmental committee of Technology & Pharmacy, Faculty of Technology, OU.	Participating in the Deliberations of various committees and Decision making on various issues.
6.	Member of Board of Studies (Global), Member of Board of Studies (Autonomous) in Technology, Faculty of Technology, OU.	Participating in the Deliberations of various committees and Decision making on various issues.
7.	Member of Anti-Ragging committee, Member of Hostel Management committee, Member of House allotment committee, Member of Mentor committee....etc..	Participating in the Deliberations of various committees and Decision making on various issues.
8.	Member of organizing committee of various Technical seminars at college level like Catalysis, Food synergisms	Organizing technical and cultural events, providing guidance on various events & management

Awards

First receipt of **S E R C** (Science Engineering Research Council)- **Visiting Fellowship**, in O.U., awarded by Dept. of Science & Technology, **Govt. of India**, New Delhi. The fellowship has been utilized at Central Leather Research Institute., Chennai, India, during Dec 1997.

Member of Professional Organizations

Life **Fellow** – Institution of Engineers (India) (Chemical Engg Division) – Kolkata

Life Member – **Indian Association for Environmental Management**, NEERI, Nagpur

Life Member – Indian Membrane Society, BARC, Vadodara, Gujarat

Life Member – Indian Society for technical Education, New Delhi

National Conference / Seminar / Workshop Participated

S.No	Name of the seminar/conference/workshop	Duration	Organized by	Sponsored by
1.	Indo Europe workshop on Membrane Technology for Industrial applications	Feb. 2011 (two days)	Dept of Chem. Engg. AC college of Tech. Anna Univ., Chennai	Indian Memb Society and T N Pollution Control Board, Chennai
2.	National seminar on “Advances in Chemical Engineering and Bio-Technology”	August 2009 (one day)	Centre for Bio-Tech. OUCT	UCT, OU, Hyd
3.	Workshop and symposium on Bionano-Technology	March 2008 (two days)	CCMB Hyderabad	DST, GOI, ND, CSIR, New Delhi and Purdue Univ., USA
4.	National conference on Microbial Milestones	Jan. 2008 (two days)	Centre for Bio-Technology, UCT, OU, Dept of Microbiology, UCS	Association of Microbiologists of India
5.	Workshop on “Management of IPR in Bio-Technology”	April 2007 (two days)	Lingapur house Hyderabad	DBT, Government of India, New Delhi
6.	Indo Australian Bio-Tech Workshop on “Bioremediation : Biotechnological Interventions and Innovations”	March 2007 (two days)	TERI Univ. New Delhi	DBT, Govt of India, N Delhi & Australian High Commission New Delhi
7.	National seminar on Bioprocess Engineering and Bioreactor Design	Dec .2006 (two days)	I.S.T, JNTU Hyderabad	TEQIP, GOI, ND
8.	National seminar on pollution control in chemical and allied industries	Nov. 2006 (one day)	St. Stanley College of Engineering, patancheru, Medak Dist.	St. Stanley College of Engineering, Patancheru, Medak Dist
9.	“Inventing into future” (A course on IPR)	Nov. 2006 (two days)	OU college of Engineering Hyderabad	TEQUIP Government of India, New Delhi
10.	Seminar on Patenting in Bio-Technology	Oct. 2006	NRDC, New Delhi	DBT, GOI, New

		(one day)	at Hyderabad	Delhi
11.	Design and Modeling of Heterogenous chemical reaction	Sep. 2006 (three days)	OUCT Hyderabad	TEQIP, GOI, ND
12.	Training program on Fundamentals of laboratory Health and safety and laboratory Design	June 2006 (three days)	I.I.C.T(CSIR) Hyderabad	HRD centre CSIR, New Delhi
13.	Downstream processing	Feb. 2006 (one day)	JNTU, Hyderabad	TEQIP, GOI, ND
14.	A two day program under World Bank assisted project on "Patenting in India and Abroad"	Jan. 2006 (two days)	YC college of Engineering Nagpur	TEQIP, GOI, New Delhi
15.	Advanced Training Program on Prevention and Management of Chemical accidents	March 2004 (two days)	FAPCCI Hyderabad	MOEF, GOI, New Delhi and FICCI, New Delhi
16.	Two day training program on Effective Teaching Methodology	Aug. 2002 (two day)	SNIST Ghatkesar	Sree Educational Society Hyderabad
17.	Workshop on Design and Analysis of Experiments	March 2001 (two days)	Dept. of Technology U.C.T, OU, Hyderabad	UGC, New Delhi, OU, & Clair Consultants, Hyderabad
18.	Management of Technical education in new millennium	April 2000 (two days)	College of Engineering GITAM, Vishakapatanam	Institute of Engineers, WRC, Vishakapatanam
19.	National seminar on "Multimedia on the move"	Oct.-Nov. 1999 (three days)	Dept. of Inf. Tech. Shanmuga college of Engineering Thanjavur	A.I.C.T.E., New Delhi
20.	National seminar on Membrane Science and Technology	1993 (two days)	I.I.C.T., Hyderabad and OUCT Hyderabad	Indian Memb. Society, Baroda, Gujarat
21.	Industrial pollution	One day	UCT, OU-I.I.C.T	I.I. Ch E, HRC, Hyderabad Indian membrane society Ahemedabad
22.	Chemistry and industry	Two Days	Nizam College (OU) and UCT-OU- Hyderabad	TEQIP, (World Bank Project)

ANNEXURE

1) Full papers presented in conference proceedings (National)

S.No	Title of the paper presented	Title of Conf/Seminar	Organized by	Level & Participants
1	Treatment of waste waters Containing heavy metals using ultrafiltration	Institution of Engineers 9 th National Convention of Chemical Engineers – WRC-1993	Andhra Univ., Waltair & Institution of Engineers(I), WRC, Vishakhapatnam	National Level (Scientists, Teachers & Researchers)
2	Comparative study of diff techniques in the removal of heavy metal ions from Waste waters	National seminar on pollution control in chemical and allied industries – 2008	St. Stanley College of Engineering, Patancheru, Medak Dist.(AP)	National Level (Scientists, Teachers, Researchers & Engineers)
3.	Chemical and Env. Engg. Education for a cleaner and safer environment	Habitat beyond 2000 (Nov. 1999)	Dept. of Civil Engg., D S College of Engg. Bangalore	National (Teachers ,PG Students, Res Scholars)
4.	Environmental BioTechnology – A powerful tool for Pollution control	National seminar on advances in Chemical Engg. and BioTech(2007)	Dept. of BioTech, St. Joseph's college of Engg., Chennai	National (Teachers ,PG Students, Res Scholars)
5.	Techniques to eliminate water pollutant for reduction of water pollution levels	National seminar on pollution control, Env. Protection and Green Power (Dec 2006)	Shri Raman Edu. Society Secunderabad., FAPCI, Hyd., IST, JNTU., OU, Hyd	State Level (Teachers ,PG Students, Res Scholars)
6.	Ecosystems-problems and conversation	National workshop (June 2007)	S.N.I.S.T, Ghatkesar, R R Dist Hyd Urban	National (Teachers ,PG Students, Res Scholars)
7.	Bio remediation-Principles and Practices	National workshop (June 2007)	S.N.I.S.T, Ghatkesar, R R Dist Hyd Urban	National (Teachers ,PG Students, Res Scholars)

2) Member of Professional Organizations

Life Fellow – Institution of Engineers (India) (Chemical Engg Division) – Kolkata

Life Member – **Indian Association for Environmental Management**, NEERI, Nagpur

Life Member – Indian Membrane Society, BARC, Vadodara, Gujarat

Life Member – Indian Society for technical Education, New Delhi

3) Full papers presented in conference proceedings (**International**)

S.No	Title of the Paper	Details of conference publication	ISSN/ISBN No
1.	Waste Management through Chain Linking and Blending of Wastes	The Fourteenth International Conference on Solid waste Technology and Management, (1998) Widener Univ, Philadelphia, PA, USA	1091-8043
2.	Municipal Waste Processing and Management	The Sixteenth International Conference on Solid waste Tech & Mgt, (Dec.2000) Widener Univ, Philadelphia, PA, USA	1091-8043
3.	Domestic Solid Waste-Recovery and Reuse- A Case Study in Hyderabad city	The Sixteenth International Conference on Solid waste Technology and Management, (Dec.2000) Widener Univ, Philadelphia, PA, USA	1091-8043
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6.	Utilization of Certain Important Agricultural and Industrial Waste of Andhra Pradesh-India	The Twenty second International Conference on Solid waste Technology and Management,(2007) Widener University Philadelphia, PA, USA	1091-8043

4) Invited lectures at National Conference / Seminar etc

S. No	Title of the Lecture/AcadSession	Title of Conference/ Seminar	Organized by	Participants
1	Effluent treatment - principles and practices	Refresher course for Teachers of Botany	Dept of Botany U.C.S., O.U, Hyd	University-College level Teachers
2	N S S-Programs- (A)Role of teachers in Clean and Green – (B) Social forestation-Safe guarding Nature	Orientation Program for NSS-Program officers	NSS - TOC Unit Osmania Univ. Hyderabad	University-College level Teachers
3	Solid Waste Management Practices in India	Orientation Program for Small Industries - Young Entrepreneurs	Small Industries Serv Institute, GOI Bala nagar, Hyd	Industry Participants, Entrepreneurs
4	Pollution - its Control, Role of Teachers in Environment Mgt	Refresher course for University and College Teachers	Govt. City College (near High court) Hyderabad	University-College level Teachers

5) Research guidance

Course	Number Enrolled	Thesis Submitted	Degree Awarded	To be Awarded
M.Phil/M.Tech (BCE & BT)	39 (last 5 academic years)	29	26	13
B.Tech & M.Sc	Many students	Part of course work	----	---

6) Administrative Positions held & Nature of responsibilities

1.	Chairman , Board of Studies in Bio Technology (2010 – till date) (Faculty of Tech), OU.	Preparation of panels of(theory and practical) external examiners U.G and P.G, Moderation of question papers, Evaluation of results
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8.	Member of organizing committee of various Technical seminars at college level like Catalysis, Food synergisms	Organizing technical and cultural events, providing guidance on various events & management

7) Completed Research Projects

S.No	Title	Agency	Period	Grant(Rs in lakhs)
1.	Waste water Engg..... Modifi & Alternatives	A.I.C.T.E New Delhi	1997-2000	Rs 4.0 lakhs
2.	Multimedia in continuing Tech Edn	A.I.C.T.E New Delhi	1997-2000	Rs 4.0 lakhs
3.	Pollution Abatement solid waste Mgt (MJRP)	U.G.C., NewDelhi	1998-2001	Rs 5.0 lakhs

