

# INTERNATIONAL COLLEGE FOR GIRLS (AUTONOMOUS)

## Department: Chemistry

### List of Publications in Referred Journals

#### Dr. Raakhi Gupta

S.No.	Title of Publication	Name of the Journal/ Details of Journal (Name, Vol. No., page No./Year)	Status		Other information
			National	International	
1.	Diels-Alder reactions of 5,6-dihydrothiazolo[3,2- <i>d</i> ][1,4,2] diazaphospholes: A DFT investigation	Heteroatom Chemistry 17, 402-410 (2006).		International	Authors : R.K. Bansal, Neelima Gupta, S.K. Kumawat and R. Gupta
2.	Reactions of N-alkylpyridinium salts with phosphorus trichloride	Phosphorus, Sulfur, and Silicon, 112, 121-130 (1996).		International	Authors : R.K. Bansal, Neelima Gupta, R. Gupta, G. Pandey and M. Agarwal
3.	{1, 2, 3} – Diazaphospholo (1, 5- <i>a</i> ) Pyridines	Synthesis, 2, 173-175 (1995).		International	Authors : R.K. Bansal, Garima Pandey, Raakhi Gupta, Konstantin Alfred Schmidpeter
4.	<i>Review:</i> Use of N-Cycloimmonium Salts for the synthesis of Annellated Heterophospholes	Journal of Indian Chemical Society, 71, 415-423, (1994).	National		Authors : R.K. Bansal, Ruchi Mahnot, Garima Pandey, Raakhi Gupta

## Dr. Varsha Goyal

S.No.	Title of Publication	Name of the Journal	Details of Journal (Name, Vol. No., page No./Year)	
			National	International
1	Kinetics and Mechanism of Oxidation of Substituted Benzaldehydes by Oxo(salen)manganese(V) Complexes	Journal of Chemical Research (M) (S)		480-481,1999
2	Kinetics and Mechanism of Oxidation of Primary and Secondary Alcohols by Oxo(salen)manganese(V) Complexes	Indian Journal of Chemical Research		39 A,654-659,2000
3	A pseudopotential approach to superconductivity in MgB <sub>2</sub>	Czechoslovak Journal of Physics		Communicated
4	Application of pseudopotential theory for estimation of superconducting state parameters of MgB <sub>2</sub>	Physica Status Solidi (b)		Communicated
5	Effect of processing on tannin, phytate and in vitro iron availability in under utilized foods	Journal of Nutrition and Dietetics	Communicated	

## Dr. Pragya Sinha

S. No.	TOPIC	Name of the Journal	National/ International	Journal
1.	Structure and configuration of a new cleistanthane diterpenoid from Progesterone auriculars.	Natural product letters	International	Natural product letters, 3(1), 1993, 71-77.
2.	Synthesis substituted 2-Aminopyridines : A versatile approach	Journal of chemical research	International	Journal of chemical research,1994, 0533-0540.
3.	Ring transformation reactions, part 3 : facile synthesis of 2-Iminopyridines	Journal of chemical research	International	Journal of chemical research, 1994, 354-355.

4.	An expeditious synthesis of heterogametes through carbanion. Induced Ring transformation of suitable functionalized pyram-2-ones.	Journal of chemical research	International	Journal of chemical research, 1998, 102083-2088.
5.	Patent- one		National	1998

### Dr. Rashmy Nair

S.No	Title of Publication	Name of the Journal	Details of Journal (Name, Vol. No., page No./Year)	
			National	International
1.	Synthesis of 1,3-diketones and its reaction with different N-nucleophiles (Part-I)	Heterocyclic Communications		7(6),589-592, 2001
2.	Synthesis of 1,3-diketones and its reaction with different N-nucleophiles (Part-I)	Heterocyclic Communications		9(2), 171-174, 2003
3.	A review on potentiality of medicinal plants as the source of contraceptive principles	Phytomedicine		10, 2003

### Dr. Rupali Argal

S.No	Title of Publication	Name of the Journal	Details of Journal (Name, Vol. No., page No./Year)		Other information
			National	International	
1.	Microdetermination of anti-hypertensive drug Captopril in pharmaceutical samples and blood samples using 2,6-dichlorophenol indophenol	Indian Journal of Chemistry(A),	Vol 42(A), P 3036-3040, 2003.		Special issue on Modern Technology in Analytical Chemistry

2.	Spectrophotometric determination of anti-hypertensive drug Captopril in pharmaceutical samples as Pd(II) complex and its characterization by Elemental Analysis and Spectral Studies,	Science Research Journal-Vislesana	Vol 8, No.1, p 85-91 2003.		
3.	Spectrophotometric study on the stability constant of complex Cu <sup>+2</sup> -Arsenazo -III	Rasayan Journal of Chemistry	Vol 2, No.1 2009.		Accepted
4.	Volumetric determination of coenzyme Q 10 in pharmaceutical samples with ascorbic acid.	Journal of Pharmaceutical and Medicinal Chemistry			Communicated on 23/02/09
5.	An assessment of groundwater quality of chaksu town in Rajasthan,	Journal of Environmental Science and Engineering,			Comunicated on 01/ 02/09

### Ms. Sharmila Pokharna

S.No.	Title of Publication	Name of the Journal	Details of Journal (Name, Vol. No., page No./Year)		Other information
			National	International	
1.	Spectrophotometric study on the stability Constant of Complex Al <sup>+3</sup> -Arsenazo III	Asian Journal Of Chemistry	Vol. 16 Nos. 3-4, 1765-1768 (2004)		
2.	Spectrophotometric study on the stability constant of complex Cu <sup>+2</sup> -Arsenazo -III	Rasayan Journal of Chemistry	Vol 2, No.1 2009.		Accepted
3.	Volumetric determination of coenzyme Q 10 in pharmaceutical samples with ascorbic acid .	Journal of Pharmaceutical and Medicinal Chemistry			Communicated on 23/02/09
4.	An assessment of groundwater quality of chaksu town in Rajasthan	Journal of Environmental Science and Engineering,			Comunicated on 01/ 02/09

## Dr. Manju Baghmar

S.No.	Title of Publication	Name of the Journal	Details of Journal (Name, Vol. No., page No./Year)		Other information
			National	International	
1	Kinetics and mechanism of the oxidation of $\alpha$ - hydroxy acids by tetrabutylammoniumtribromide	Indian J. Chemistry	2001, <b>40A</b> , 311		
2	Kinetics and mechanism of the oxidation of aliphatic alcohols by tetrabutylammoniumtribromide	Proc. Indian Aca. Sci., Chemical Science	2001, <b>113</b> , 139.		
3	Kinetics and mechanism of the oxidation of aliphatic aldehydes by tetrabutylammonium tribromide	International J. Chem. Kinetics		2001, <b>33</b> , 390	
4	Kinetics and mechanism of the oxidation of DL-methionine by benzyltryethylammonium chlorochromate	International J. Chem. Science		2005, <b>3(4)</b> , 629	
5	Kinetics and mechanism of the oxidation of DL-methionine by quinolinium bromochromate	J. of Indian Chemi. Soc.	2008, <b>85</b> , 459		
6	Kinetics and mechanism of the oxidation of substituted benzyl alcohols by 2,2'-bipyridinium chlorochromate	J. of Indian Chemi. Soc.	2008, <b>85</b> , 496		
7	Kinetics and mechanism of the oxidation of unsaturated acids by morpholinium chlorochromate	Oxidation Communication		2008, <b>31(2)</b> , 365	
8	Kinetics and mechanism of the oxidation of some organic sulphides by morpholinium chlorochromate	International J. Chem. Kinetics		Published online in Wiley Interscience, U.S.A.	
9	Kinetics and mechanism of the oxidation of some thioacids by morpholinium chlorochromate	Indian J. Chemistry	2008, <b>47 A</b> , 1373		
10	Kinetics and mechanism of the oxidation of some $\alpha$ - hydroxy acids by morpholinium chlorochromate	Prog. React. Kinet. Mechanism	2008, <b>33</b> , 393		

## List of Papers/Posters Presented in Seminars/Workshops/Conferences etc.

### Dr. Raakhi Gupta

- a) "A new Anellated Heterophosphole - {1,2,3} – Diazapholo (1, 5, a) pyridine, Convention of Indian Chemical Society held at Calcutta, OAW-2, 1993.
- b) "A Synthetic Methodology for Annellated Heterophospholes – N-Cycloiminium salts as starting materials" International Conference on Organic Synthesis held at Bangalore, P-THU-93, 1994.
- c) "{4+2} Cycloadditions of 5,6 Dihydro {1, 3, 4} Diazaphospholo {2, 1-b} thiazole" 82<sup>nd</sup> Indian Science Congress held at Calcutta, 1995, P-93.

### Ms. Manisha Patni

S.No	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1.	Recent trends in environmental toxicology and Biotechnological approach to conserve environment.	ICG, Jaipur	Jan. 30-31, 2009	Water: A Greener Solvent for the Future.

### Dr. Pragya Sinha

S.No	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1.	Recent trends in environmental toxicology and Biotechnological approach to conserve environment.	ICG, Jaipur	Jan. 30-31, 2009	Water: A Greener Solvent for the Future.
2.	First Annual Conference on Chemistry, Biology and Health Care	Central Drug Research Institute	21/09/2000-25/09/2000	Medicinal value of oximes.

### Dr. Rashmy Nair

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1.	UGC sponsored National Conference on Recent trends in Enviromental Toxicology and Biotechnological Approach to Conserve Environment	International College for Girls(Autonomous) and Association of Microbiologists of India(Jaipur Chapter)	30-31/01/09	Sustainable Future through Green Chemistry(Paper Presented)
2.	First Rajasthan Congress of Bio-Sciences and National Seminar on Future Strategies for Biological Research	Gyan Vihar School of Bio-Sciences, Suresh Gyan Vihar University, Jaipur	19-20/01/09	The Future of Green Plastics (Poster Presented)

3.	National Conference on Environmental Pollution and its control(EPIC-06)	Engineering College, Kota	25-26/03/06	Sustainable Green Chemistry: state-of-the-art(Paper Presented)
4.	National Conference on Environmental Pollution and its control(EPIC-06)	Engineering College, Kota	25-26/03/06	Green Plastics: Are they green? (Paper Presented)
5.	National Seminar on Recent Advances in the field of Applied Chemistry (RAAC-06)	PG Department of Chemistry, JDB Girls College, Kota	2-3/12/06	Green Plastics: An illuminating path to future(Paper Presented)
6.	International Conference on Heterocyclic Chemistry	Department of Chemistry, University of Rajasthan, Jaipur	15-18/12/01	Reactions of novel 1,3-diketones with different N-nucleophiles (Paper Presented)

### Dr.Rupali Argal

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1.	<b>POSTER RESENTED:-</b> Ist Rajasthan Congress of Bio-Sciences and National Seminar on Future Strategies for Biological Research	School of Biosciences, Suresh Gyan Vihar University, Jaipur. (Raj.)	19-20 <sup>th</sup> Jan 2009	The Future of Green Plastics
2.	Ist Rajasthan Congress of Bio-Sciences and National Seminar on Future Strategies for Biological Research	School of Biosciences, Suresh Gyan Vihar University, Jaipur. (Raj.)	19-20 <sup>th</sup> Jan 2009	Determination of Ubiquinone in pharmaceutical samples with vitamin-C
3.	21st conference of Indian Council of Chemist	Rani Durgavati Univesity Jabalpur (M.P.)	24-26 <sup>th</sup> Oct 2002	Volumetric determination of Coenzyme Q10 in pharmaceutical samples with ascorbic acid
4.	38th Annual Convention of Chemists	Indian Chemical Society	26-29 <sup>th</sup> Dec 2001	Spectrophotometric determination of antihypertensive drug Captopril via its quantitative conversion into trithiocarbonte and its complexation with Os(VIII).
5.	<b>PAPERS RESENTED:-</b> 16th M.P. Young Scientist Congress on	M.P.Council of Science and Technology , Bhopal organised by Devi Ahilya Vishwavidyalaya, Indore (M.P.)	6-7 <sup>th</sup> Sep 2001	Microdetermination of the anticancer drug, 6-mercapto purine via quantitative conversion to trithiocarbo- nate and by its complexation with palladium (II) complex characterization by UV VIS, elemental analysis, FTIR, NMR and ESR

### Ms.Sharmila Pokharna

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1.	Ist Rajasthan Congress of Bio-Sciences and National Seminar on Future Strategies for Biological Research	School of Biosciences, Suresh Gyan Vihar University, Jaipur. (Raj.)	19-20 <sup>th</sup> Jan 2009	
2.	<b>POSTER PRESENTED:-</b> National symposium on Emerging Trends in Advanced Chemistry (ETAC -08).	Centre for Advanced Studies(CAS), Dept. of Chemistry, University of Rajasthan.	8-10 <sup>th</sup> March 2008	The Future of Green Plastics
3.	<b>PAPER PRESENTED:-</b> Third All India Science Congress Conference New Delhi		19-21 Feb 2004	A case study on fluoride in drinking water : Kishangarh(Ajmer) Antioxidants: Body's guard against disease

### Dr. Manu Baghmar

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Date(s)	Title of the paper/poster presented
1	National symposium on "Chemistry in the next century" sponsored by U.G.C. and C.S.I.R.	Department of Chemistry J.N.V. University Jodhpur	15-17 March 1999	Kinetics and mechanism ..... tertrabutyl ammonium tribromide( (Paper No. Phy. (OP)-30)
2	38 <sup>th</sup> annual convention of chemists 2001 organized by Indian chemical Society Kolkata.	Department of Chemistry J.N.V. University Jodhpur	26-29 Dec. 2001	Kinetics and mechanism ..... tertrabutyl ammonium tribromide( (Paper No. Phy (OP) -37 )
3	41st annual convention of chemists 2004 organized by Indian chemical Society Kolkata.	Department of Chemistry. University of Delhi.	23-27 Dec. 2004	Kinetics and mechanism ..... tertrabutyl ammonium tribromide( (Paper No. Phy (OP) -45 )
4	43rd annual convention of chemists 2006 organized by Indian chemical Society Kolkata.	Department of Chemistry. Dr. Baba Saheb Ambedkar Marathwada University Aurangabad.	23-27 Dec 2006	Kinetics and mechanism of the Oxidation of subs. Benzaldehydes by tetrabutyl ammonium tribromide( (Paper No. Phy (OP) -41 )
5	44 <sup>th</sup> annual convention of chemists 2007 organized by Indian chemical Society Kolkata.	Department of Chemistry. M.G. Institute of Applied Sciences, Jaipur	24-28 Dec. 2007	Kinetics and mechanism ..... tertrabutyl ammonium tribromide.



## List of Seminars/Workshops/Conferences/Symposia attended as a Resource Person / Expert

### Dr. Raakhi Gupta

- a) Is on the inspection Panel of University Grants Commission, New Delhi and UGC-National Assessment and Accreditation Council, Bangalore.
- b) Delivered a lecture in the In service course on "Problem of Inattentiveness in the class and its solution" for all Kendriya Vidyalaya Teachers of Rajasthan, May 2003.
- c) Participated as an expert in a Group Discussion on Doordarshan on "Coeducation in Schools", 2004.
- d) Has been invited to deliver a talk in the Plenary session of 44<sup>th</sup> Annual Convention of Chemistry, December, 2007.
- e) Invited as subject expert for the recruitment of Teaching faculty-at different educational institutes and Rajasthan Vidyut Utpadan Ltd.
- f) Acted as judge in various Academic and non academic events.
- g) Delivered talks and participated in Panel Discussion -President Elects Training Seminar(pets), District Assembly Rotary International District-3050.

### Ms. Manisha Patni

S.No	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Symposium on latest science and instrumentation workshop (Topic: Distillation)	International College For Girls, Jaipur	-----			21/09/2000-25/09/2000

### Dr. Pragya Sinha:

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Symposium on latest science and instrumentation workshop (Topic: Distillation)	International College For Girls, Jaipur		-----		21/09/2000-25/09/2000

## List of Seminars/Workshops/Conferences/Symposia attended

### Dr. Raakhi Gupta

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Concept and Techniques of Evaluation and Measurement	International College For Girls, Jaipur		---		21/04/08-22/04/08
2.	National workshop on Emerging trends in advanced chemistry	Department of chemistry, UOR, Jaipur(UGC sponsored)		National		08/03/08-10/03/08
3.	National convention of Indian Chemical Society	Indian Chemical Society, Kolkatta		National		23/12/07-27/12/07
4.	National workshop on Photo and Analytical chemistry	International College For Girls, Jaipur		National		07/03/07-09/03/07
5.	National seminar on chemical aspects of environmental challenges and their management	Agarwal P. G. College, Jaipur (U.G.C. sponsored)		National		27/02/07-28/02/07
6.	National Symposium on New vistas in organic synthesis	International College For Girls, Jaipur		National		20/11/06
7.	2 <sup>nd</sup> NOST Symposium for research scholars	International College For Girls, Jaipur		National		11/10/06-14/10/06
8.	Application of Quantitative Methods for Managerial Decision	PG School of Commerce, UOR and ICG		National		23/02/06 to 25/02/06
9.	Sustainable Development and Resource Utilization : Current Trends and Prospective	Department of chemistry, University of Rajasthan, Jaipur	International			23/10/05 to 25/10/05
10.	Workshop on Intellectual Property Right	ICG in Collaboration of DST, Rajasthan, Jaipur		National		21/10/05
11.	Panel Discussion on "Budget 2005-2006; action and reaction "	International College For Girls, Jaipur		---		12/04/05
12.	National Symposium on Recent advances in chemical research	Department of chemistry, University of Rajasthan, Jaipur		National		28/03/05-29/03/05
13.	National Symposium on Science and technology for desert development	National Academy of Science, India		National		2/12/04-04/12/04
14.	ABC of success: The menu card of life (National workshop)	IIIM, Jaipur		National		22/11/04
15.	VIII state level Student teacher Programme :Seminar cum Poster Presentation	DST, Govt. of Rajasthan, Jaipur			State	25/02/04
16.	Strategy for Whole Brain Development	ISIM, Jaipur		National		18/12/03
17.	Transformation through mind power(National- workshop)	IIIM, Jaipur		National		12/12/03

18.	"Colloquia" A National Conference on innovative business and management practices	ISIM, Jaipur		National		10/09/2003
19.	Population and Health Concerns	Rotary, UNDFP & Govt. of Rajasthan			State	16/03/03
20.	Relevance of Vocational Courses for UG Classes	Sponsored by UGC		National		2002
21.	Golden Jubilee Conference	International School Association	International			05/07/01 to 08/07/01
22.	Popular lectures in Science and Instrumentation workshop	International College For Girls, Jaipur				21/09/2000-25/09/2000
23.	Recreating interest and excitement in basic sciences	NCSTC, Govt. of India, and DST, Govt. of Rajasthan, Jaipur		National		28/02/2000

### Ms. Manisha Patni

S.No	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Concept and Techniques of Evaluation and Measurement	International College For Girls, Jaipur	---			21/04/08-22/04/08
2.	National workshop on Emerging trends in advanced chemistry	Department of chemistry, UOR, Jaipur(UGC sponsored)		National		08/03/08-10/03/08
3.	National convention of Indian Chemical Society	Indian Chemical Society, Kolkatta		National		23/12/07-27/12/07
4.	National workshop on Photo and Analytical chemistry	International College For Girls, Jaipur		National		07/03/07-09/03/07
5.	National seminar on chemical aspects of environmental challenges and their management	Agarwal P. G. College, Jaipur (U.G.C. sponsored)		National		27/02/07-28/02/07
6.	National Symposium on New vistas in organic synthesis	International College For Girls, Jaipur		National		20/11/06
7.	2 <sup>nd</sup> NOST Symposium for research scholars	International College For Girls, Jaipur		National		11/10/06-14/10/06
8.	Workshop on Intellectual Property Right	ICG in Collaboration of DST, Rajasthan, Jaipur		National		21/10/05
9.	Panel Discussion on "Budget 2005-2006; action and reaction "	International College For Girls, Jaipur		---		12/04/05
10.	National Symposium on Recent advances in chemical research	Department of chemistry, University of Rajasthan, Jaipur		National		28/03/05-29/03/05
11.	National Symposium on Science and	National Academy of Science,		National		2/12/04-04/12/04

	technology for desert development	India				
12.	ABC of success: The menu card of life (National workshop)	IIIM, Jaipur		National		22/11/04
13.	VIII state level Student teacher Programme :Seminar cum Poster Presentation	DST, Govt. of Rajasthan, Jaipur			State	25/02/04
14.	Transformation through mind power(National- workshop)	IIIM, Jaipur		National		12/12/03
15.	"Colloquia" A National Conference on innovative business and management practices	ISIM, Jaipur		National		10/09/2003
16.	Popular lectures in Science and Instrumentation workshop	International College For Girls, Jaipur		-----		21/09/2000-25/09/2000
17.	Recreating interest and excitement in basic sciences	NCSTC, Govt. of India, and DST, Govt. of Rajasthan, Jaipur		National		28/02/2000

### Dr. Varsha Goyal

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Concepts and Techniques of Evaluation and Measurement	International College for Girls, Jaipur			State	21-23/04/08
2.	National Symposium on Emerging Trends in Advanced Chemistry	Centre for Advanced Studies (CAS) Dept of Chemistry, University of Rajasthan Jaipur		National		08-10/03/08
3.	National Workshop on Photo and Analytical Chemistry	International College for Girls, Jaipur		National		07-09/03/07
4.	44 <sup>th</sup> Annual Convention of Chemists 2007	Indian Chemical Society at Mahatma Gandhi Institute of Chemical Sciences, Jaipur		National		23-27/12/07
5.	IInd NOST Symposium	International College for Girls, Jaipur		National		11-14/10/06
6.	National Symposium on Recent Advances in Chemical Research	Dept of Chemistry, University of Rajasthan Jaipur		National		28-29/03/05
7.	Panel Discussion on "Budget 2005-2006; action and reaction"	International College for Girls, Jaipur			State	12/04/05
8.	Intellectual Property Rights (IPR)	International College for Girls in Collaboration with DST		National		21/10/05
9.	VIII State Level Student Teacher Programme seminar and Poster	DST, Govt. of Rajasthan, Jaipur			State	25/02/04

	presentation					
10.	National Workshop on ABC of Success: The Menu Card of Life	International College for Girls, Jaipur		National		22/12/2004
11.	'Transformation through mind power' by Ms. Rekha Shetty	International College for Girls, Jaipur		National		12/12/2003
12.	Interactive seminar on strategy for whole brain development, by Ms. Vasanthi Vasudevan	International College for Girls, Jaipur		National		18/12/03
13.	"Colloquia" A National Conference on innovative business and management practices	IIIM		National		10/09/2003
14.	National symposium on chemistry in the next century	Dept of Chemistry, Jai Narain Vyas University, Jodhpur		National		15-17/03/99

## Dr. Pragya Sinha

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Concept and Techniques of Evaluation and Measurement	International College For Girls, Jaipur				21/04/08-22/04/08
2.	National workshop on Emerging trends in advanced chemistry	Department of chemistry, UOR, Jaipur(UGC sponsored)		National		08/03/08-10/03/08
3.	National convention of Indian Chemical Society	Indian Chemical Society, Kolkatta		National		23/12/07-27/12/07
4.	National workshop on Photo and Analytical chemistry	International College For Girls, Jaipur		National		07/03/07-09/03/07
5.	National Symposium on New vistas in organic synthesis	International College For Girls, Jaipur		National		20/11/06
6.	National seminar on chemical aspects of environmental challenges and their management	Agarwal P.G college, Jaipur,UGC sponcered		National		22/02/07-28/02/07
7.	2 <sup>nd</sup> NOST Symposium for research scholars	International College For Girls, Jaipur		National		11/10/06-14/10/06
8.	Workshop on Intellectual Property Right	ICG in Collaboration of DST, Rajasthan, Jaipur		National		21/10/05
9.	Panel Discussion on "Budget 2005-2006; action and reaction "	International College For Girls, Jaipur				12/04/05
10.	National Symposium on Recent advances in chemical research	Department of chemistry, University of Rajasthan,		National		28/03/05-29/03/05

		Jaipur				
11.	National Symposium on Science and technology for desert development	National Academy of Science, India		National		2/12/04-04/12/04
12.	VIII state level Student teacher Programme :Seminar cum Poster Presentation	DST, Govt. of Rajasthan, Jaipur			State	25/02/04
13.	ABC of success: The menu card of life (National workshop)	IIIM, Jaipur		National		22/11/04
14.	Transformation through mind power(National- workshop)	IIIM, Jaipur		National		12/12/03
15.	"Colloquia" A National Conference on innovative business and management practices	ISIM, Jaipur		National		10/09/2003
16.	Popular lectures in Science and Instrumentation workshop	International College For Girls, Jaipur				21/09/2000-25/09/2000
17.	First Annual Conference on Chemistry, Biology and Health Care	Central Drug Research Institute		National		23/3/1996-24/3/1996
18.	VIIth National Users Workshop on application of high resolution NMR, Mass Spectrometry And Electron Microscopy	Central Drug Research Institute		National		4/1/1995-10/1/1995
19.	IXth Carbohydrate Conference	Central Drug Research Institute		National		26/11/1993

### Dr. Rashmy Nair

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Concepts and techniques of Evaluation and Measurement	International College for Girls, Jaipur		National		21-22/04/08
2.	National Symposium on Emerging Trends in Advanced Chemistry (ETAC-08)	Centre for Advanced Studies (CAS), Department of Chemistry, University of Rajasthan, Jaipur		National		8-10/03/08
3.	44 <sup>th</sup> Annual Convention of Chemists 2007	Indian Chemical Society at Mahatma Gandhi Institute of Chemical Sciences, Jaipur		National		23-27/12/07
4.	Second NOST Symposium	International College for Girls, Jaipur		National		11-14/10/06

5.	Short term Programme on Advances in Cement and Concrete	Engineering College, Kota in collaboration with National technical teachers training and research, Chandigarh		National		28-30/11/05
6.	National Symposium on Current Trends in Biotechnology and Plant Pathology	Department of Botany, University of Rajasthan, Jaipur		National		20-21/09/1996

### Dr. Rupali Argal

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1	Concepts and Techniques of Evaluation and Measurement	International College for Girls, Jaipur			State	21-22 <sup>nd</sup> April 2008.
2.	Emerging Trends in Advance Chemistry	Centre for Advanced Studies(CAS), Dept. of Chemistry, University of Rajasthan.		National		8-10 <sup>th</sup> March 2008
3.	44th Annual Convention of Chemists	Indian Chemical Society		National		23-27 <sup>th</sup> Dec 2007
4.	Emerging Trends in Engineering and Technology	Department of Electronics and Telecommunication Engineering, Jabalpur		National		26-27 <sup>th</sup> June 2006.

### Ms. Sharmila Pokharna

S.No.	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1	Concepts and Techniques of Evaluation and Measurement	International College for Girls, Jaipur		National		21-22 <sup>nd</sup> April 2008.
2.	Emerging Trends in Advance Chemistry	Centre for Advanced Studies(CAS), Dept. of Chemistry, University of Rajasthan.		National		8-10 <sup>th</sup> March 2008
4.	44th Annual Convention of Chemists	Indian Chemical Society		National		23-27 <sup>th</sup> Dec 2007
5.	National workshop on Photo and Analytical Chemistry	International College for Girls, Jaipur		National		7-9 march 2007
6.	U.G.C. sponsored Seminar on Environment Pollution – a scientific approach.	S.S. Jain Subodh P.G. College, Jaipur		National		21-23 Dec. 2006

7.	National Level Seminar on Indian Science , Engineering and Technical Research Vocabulary 24-26 Nov. 2006	Language – Commission ( Human Resource development Ministry Govt. of India).		National		24-26 Nov. 2006
8.	Third All India Science Congress Conference New Delhi	Science and technical		National		19-21 Feb 2004

### Dr. Manju Baghmar

S.No	Name of the Conf./Seminar/Workshop	Name of the organizing institute	Status			Date(s)
			International	National	State	
1	National symposium on "Chemistry in the next century" sponsored by U.G.C. and C.S.I.R.	Department of Chemistry J.N.V. University Jodhpur		National		15-17 March 1999
2	38 <sup>th</sup> Annual convention of chemists 2001 organized by Indian chemical Society Kolkata.	Department of Chemistry J.N.V. University Jodhpur		National		26-29 Dec. 2001
3	44 <sup>th</sup> Annual convention of chemists 2007 organized by Indian chemical Society Kolkata.	Department of Chemistry. M.G. Institute of Applied Sciences, Jaipur		National		24-28 Dec. 2007

### List of FDP attended

#### Dr. Raakhi Gupta

S.No	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Autonomy "A Positive step towards achieving academic excellence	International College For Girls, Jaipur		----		08/08/06
2.	Orientation Programme in Computers	International College For Girls, Jaipur		----		28/04/06-12/05/06
3.	Panel Discussion on Union Budget	International College For Girls, Jaipur		----		18/03/06
4.	Lecture on "Women Empowerment" by Dr. Pawan Surana	International College For Girls, Jaipur		----		18/02/06
5.	Facilitating Excellence in Effective Leadership :FEEL Teacher	International Collge For Girls in collaboration with Department of learning and development CLHRD, Manglore		National		25/04/05-27/04/05
6.	Panel Discussion on Budget : Action-Reaction	Department of Commerce and Economics, ICG Jaipur		----		12/04/05
7.	An Overview of Budget :Hopes and Fears of Budget	International College For Girls, Jaipur		---		24/03/05
8.	Yoga for outstanding performance	International College For Girls,		---		08/10/04



		Jaipur				
9.	How to Write a Research Article	International College For Girls, Jaipur		National		12/03/04
10.	Understanding behavioral problems and managing youth by Prof. Aruna Bruta	International College For Girls, Jaipur		National		20/12/03
11.	Discourse on Spiritual Upliftment	International College For Girls, Jaipur		---		2003

### Ms. Manisha Patni

S.No	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Discourse on Spiritual Upliftment	International College For Girls, Jaipur	---			2003
2.	Understanding behavioral problems and managing youth by Prof. Aruna Bruta	International College For Girls, Jaipur		National		20/12/03
3.	How to Write a Research Article	International College For Girls, Jaipur		National		12/03/04
4.	Yoga for outstanding performance	International College For Girls, Jaipur	---			08/10/04
5.	An Overview of Budget :Hopes and Fears of Budget	International College For Girls, Jaipur	---			24/03/05
6.	Panel Discussion on Budget : Action-Reaction	Department of Commerce and Economics, ICG Jaipur	----			12/04/05
7.	Facilitating Excellence in Effective Leadership :FEEL Teacher	International Collge For Girls in collaboration with Department of learning and development CLHRD, Manglore		National		25/04/05-27/04/05
8.	Lecture on "Women Empowerment" by Dr. Pawan Surana	International College For Girls, Jaipur	----			18/02/06
9.	Panel Discussion on Union Budget	International College For Girls, Jaipur	----			18/03/06
10.	Orientation Programme in Computers	International College For Girls, Jaipur	----			28/04/06-12/05/06
11.	Autonomy "A Positive step towards achieving academic excellence	International College For Girls, Jaipur	----			08/08/06

## Dr. Varsha Goyal

S.No	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Stress management and motivation and ethics at work place.	International College for Girls, Jaipur				12-13/12/09
2.	Autonomy: "A positive step towards achieving academic excellence"	International College for Girls, Jaipur			State	08/08/06
3.	Orientation Programme in computers	International College for Girls, Jaipur				28/04/06-12/05/06
4.	Panel Discussion on Union Budget	International College for Girls				18/03/06
5.	Facilitating Excellence in Effective Leadership: FEEL Teacher	International College for Girls in Collaboration with Rajasthan patrika			State	25/04/05-27/02/05
6.	An Overview of Budget: Hopes and Fears of Budget	CHLRD Manglore and International College for Girls, Jaipur			State	24/03/05
7.	Yoga for Outstanding Performance	International College for girls Jaipur			State	08/10/04
8.	"How to Write a Research Article"	International College for Girls, Jaipur			State	12/03/04
9.	Understanding Behavioral Problems and Managing Youth by Prof. Aruna Bruta	International College for Girls, Jaipur			State	20/12/03

## Dr. Pragya Sinha

S.No	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Autonomy "A Positive step towards achieving academic excellence"	International College For Girls, Jaipur				08/08/06
2.	Panel Discussion on Union Budget	International College For Girls, Jaipur				18/03/06
3.	Lecture on "Women Empowerment" by Dr. Pawan Surana	International College For Girls, Jaipur				18/02/06
4.	Facilitating Excellence in Effective Leadership :FEEL Teacher	International Collge For Girls in collaboration with Department of learning and development CLHRD, Manglore		National		25/04/05 to 27/04/05
5.	Panel Discussion on Budget : Action-Reaction	Department of Commerce and Economics, ICG Jaipur				12/04/05
6.	An Overview of Budget :Hopes and Fears	International College For				24/03/05

	of Budget	Girls, Jaipur				
7.	Yoga for outstanding performance	International College For Girls, Jaipur				08/10/04
8.	How to Write a Research Article	International College For Girls, Jaipur		National		12/03/04
9.	Orientation Programme in Computers	International College For Girls, Jaipur				28/04/06 to 12/05/06
10.	Discourse on Spiritual Upliftment	International College For Girls, Jaipur				2003

### Dr. Rashmy Nair

S.No.	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Stress Management and Motivation and Ethics at Work place	International College for Girls, Jaipur			State	12-13/12/08
2.	Autonomy: A positive step towards achieving academic excellence	International College for Girls, Jaipur		National		08/08/06
3.	Multifunction Approach for Technical Teachers in New Millenium	Engineering College, Kota		National		19/6/06 – 01/07/06

### Dr. Rupali Argal

S.No.	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Stress Management and Motivation and Ethics on Work-Place	International College for Girls, Jaipur			State	12-13 <sup>th</sup> Dec 2008.

### Ms. Sharmila Pokharna

S.No.	Name of the FDP	Name of the organizing institute	Status			Date(s)
			International	National	State	
1.	Stress Management and Motivation and Ethics on Work-Place	International College for Girls, Jaipur			State	12-13 <sup>th</sup> Dec 2008.

## List of Refresher/Orientation Courses attended

### Dr. Raakhi Gupta

S.No.	Nature of the courses attended	Name of the organizing agency	Date(s)
1.	Refresher Course in Chemistry-UGC sponsored	Department of Chemistry, University of Rajasthan, Jaipur	16/10/04 to 20/10/04
2.	39 <sup>th</sup> Orientation Course	Academic Staff Orientation Scheme of UGC	1998
3.	Orientation Programme for Educational Administrators	Academic Staff College, University of Rajasthan, Jaipur	1997

### Ms. Manisha Patni

S.No.	Nature of the courses attended	Name of the organizing agency	Date(s)
1	Importance of terminology of biology and chemistry in the field of teaching and research	Commision of scientific and technical terminology, Ministry of Human resource, Department of Higher education, New-Delhi.	17/04/07-18/04/07
2	An Orientation Course in Computers	International College for Girls, Jaipur	28/04/2006-12/05/2006
3	61 <sup>st</sup> Orientation Course	UGC Academic Staff College, University of Rajasthan, Jaipur	07/03/05-02/04/05

### Dr. Pragya Sinha

S.No.	Nature of the courses attended	Name of the organizing agency	Date(s)
1.	An Orientation Course in Computers	International College for Girls, Jaipur	28/04/2006 to 12/05/2006

### Dr. Rupali Argal

S.No.	Nature of the courses attended	Name of the organizing agency	Date(s)
1.	Advance Instrumental Training Program for Postgraduate Students	Central Laboratory Facility M.P.Council of Science and Technology, Bhopal	22-26 <sup>th</sup> Feb 2000

## List of Projects Sanctioned/Applied For

### Dr. Raakhi Gupta

S.No.	Title of project	Name of the funding agency	Amount of funds allocated	Status of the project(Sanctioned/Applied for)
1.	Complexation of metal ions in body with nucleotides/nucleosides/protein/amino acids in presence of antibiotics/analgesics	State DST, Jaipur	Rs.15000/-	Completed*
2.	Formulation and Evaluation of Cereal and Legume Based Weaning Food Supplements	UGC	Rs.55000/-	Completed**

### Ms. Manisha Patni

S.No.	Title of project	Name of the funding agency	Amount of funds allocated	Status of the project(Sanctioned/Applied for)
1.	Microwave Assisted synthesis of Schiff basis	State DST, Jaipur	--	Applied for

### Dr. Varsha Goyal

S.No.	Title of project	Name of the funding agency	Amount of funds allocated	Status of the project(Sanctioned/Applied for)
1.	Theoretical study of superconductivity in MgB <sub>2</sub>	International College for Girls, Jaipur	Rs.29,000	Sanctioned

### Dr. Rashmy Nair

S.No.	Title of project	Name of the funding agency	Amount of funds allocated	Status of the project(Sanctioned/Applied for)
1.	Synthesis of some novel $\beta$ -diketones possessing biological activity	University Grants Commission	1,40,000/-	Sanctioned on 31.03.2009

### Dr. Rupali Argal

S.No.	Title of project	Name of the funding agency	Amount of funds allocated	Status of the project
1.	Environmental Remediation Through Photoreduction of Textile Industry Effluent	University Grant Commission(U.G.C.)	Rs. 1,30,000/-	Sanctioned on 31.03.2009

### Ms.Sharmila Pokharna

<b>S.No.</b>	<b>Title of project</b>	<b>Name of the funding agency</b>	<b>Amount of funds allocated</b>	<b>Status of the project(Sanctioned/ Applied for</b>
1.	Environmental Remediation Through Photoreduction of Textile Industry Effluent	University Grant Comission(U.G.C.)	Rs. 1,30,000/-	Sanctioned on 31.03.2009

## **Dr. Raakhi Gupta**

### **\* Summary of the Project:**

It was planned to study the complex formation and evaluate the stability of these complexes derived from bivalent transition metal ions with amino acids as the primary ligands and some antibiotics as the secondary ligands.

### **Major Highlights:**

Certain 1:1 binary and 1:1:1 ternary complexes of Cobalt were prepared with amino acids leucine and isoleucine and antibiotic chloroquin phosphate. Their stability was investigated in varying acidic strength. The results have been included in the Ph.D. work of the Student.

### **\*\* Summary of the Project:**

It was planned to formulate and analyse weaning food of improved nutritional quality and based on locally available food materials in Rajasthan like wheat, green gram, banana, pumpkin or carrot.

### **Major Highlights:**

Keeping the nutritional requirement of children of the age group of 6 months to 1 year four weaning foods were developed with varying proportions of wheat, green gram, carrot and jaggery. The biochemical analysis and sensory evaluation of the prepared premixes was done to study their nutritional status.

Publications:

The results have been included in the M. Sc. Dissertation work of the Student

## **Dr. Pragya Sinha**

### **Membership of Professional Societies:**

1. Indian Society of Chemists and Biologists
2. Indian Science Congress