

# 15 Scientific Conference/Seminar/ Meeting Attended by the Scientists/Research Fellows/Staff

Participants	Conference/seminars/meeting	Title of the Papers/Talk
<b>Dr. S.K. Bhattacharya</b>	International conference on water quality management : South Asian perspective held in Hotel Raputana Palace Seraton, Jaipur on April 11-13, 2002 organized by Internation Life Sciences Institute (ILSI) - India	
	Workshop on update on Gastroenterology organized by Association of Physicians of India, West Bengal held at Hotel the Park, Kolkata on May 31, 2002	Management of acute diarrhoea in adults
	Third Annual Global Vaccine Research Forum meeting. WHO, Geneva, Switzerland, June 9-11, 2002.	
	Annual Meeting of the Initiative for Vaccine Research Advisory Committee, WHO, Geneva, Switzerland, June 12, 2002	
	Joint Coordinating Board Meeting of the UNDP//World Bank/WHO Special Programme for Research and Training in Tropical Diseases WHO, Geneva, Switzerland, June 24-25, 2002	Research and Development of Miltefosine
	Xth International Congress of Bacteriology and Applied Microbiology, Paris, France, July 27 - August 1, 2002	
	XII National Conference of Pediatric Gastroenterology at Ashutosh Birth Centenary Hall, Indian Museum, Kolkata on October 5-6, 2002 organized by Indian Academy of Pediatrics, West Bengal Branch	Acute diarrhoea : current etiological spectrum and investigative approach
	DOMI workshop on Data Management Principles and Practices, Trang, Vietnam, November 19 - 21, 2002	
	Meeting on the use of oral cholera vaccines as a new public health tool held at Geneva, Switzerland from December 10-11, 2002	
	Investigators meeting for Paromomycin as a WHO Temporary Adviser, Bangkok, Thailand, February 17-18, 2003	



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Participants	Conference/seminars/meeting	Title of the Papers/Talk
<b>Dr Sekhar Chakrabarti</b>	Prof. N.M Basu Memorial Committee on the occasion of 112th birthday celebration of Prof N.M Basu on September 6, 2002	Recent Development on the Prevention and Cure of AIDS
	Training Course on, "Integrated Disease Surveillance" organized by ICMR and World Bank at Calcutta on November 25, 2002	Epidemiology of HIV/AIDS
	Symposium organized by International AIDS Vaccine Initiative, New York at New Delhi on November 30, 2002	Construction of HIV-1 Vaccine appropriate for India
	Plenary session of 10th National Conference of Association of Medical Biochemists of India held at NRS Medical College, Calcutta on January 11, 2003	HIV/AIDS scenario in India: Laboratory to Clinics
	Symposium on "Working together for AIDS Vaccine for India: A Partnership of Science & Society" organized by IAVI,USA held at Pune on March 5, 2003	Vaccines : Lesson from Indian Experiences
<b>Dr. P. Dutta</b>	3rd JICA-NICED Domestic Training Programme on Molecular Epidemiology of Diarrhoeal Diseases with special reference to cholera held at NICED during August 12 – 21, 2002	Management of diarrhoea
	XII National Conference of Pediatric Gastroenterology at Ashutosh Birth Centenary Hall, Indian Museum, Kolkata on October 5-6, 2002 organized by Indian Academy of Pediatrics, West Bengal Branch	
	Third country Training Programme on Molecular epidemiology of Diarrhoeal diseases with special reference to cholera at NICED during March 9–22, 2003	Management of diarrhoea
	Workshop on Research Ethics held at National Institute of Cholera & Enteric Diseases Kolkata during March 24-27, 2003	
	Evaluation meeting of ISP Programme held at the Institute of Health and Family Welfare, New Delhi on May 2, 2002	Progress of ISP Programme



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<b>Dr. R. Kumar</b>	Chittaranjan National Cancer Institute, Kolkata, organized a seminar on April 6th, 2002 on "Move for Health". The theme of the seminar was a "World Health Day" sponsored by WHO	<i>Shigella</i> vaccine
<b>Dr. P. Das</b>	A workshop on "Biosafety issues related to use of genetically modified organism" sponsored by Biotech Consortium India Ltd. on October 4, 2002 in Kolkata.	
	XXIX Annual Meeting of the Indian Immunology Society and Symposium on Immunoparasitology held at Bhubaneswar, Orissa on November 27, 2002	Role of surface associated 29 kDa glycoprotein of <i>E. histolytica</i> in Amoebiasis
	International Seminar on "Frontiers of Basic and applied molecular biology" organized by Department of Biophysics, Molecular Biology & Genetics, University College of Science, University of Calcutta held at Science City Auditorium, Science City, Kolkata, India from January 9-11, 2003	Studies on human Collagen type I activated differentially expressed genes of <i>E. histolytica</i>
<b>Dr. M.K. Chakrabarti</b>	Programme on basic training in epidemiology for Mid level health personal. November 6-26, 2002	Animal studies in Biomedical Sciences
	MCI sponsored CME on Head and Neck cancer at NRS Medical College, Kolkata on December 14, 2002	
	International conference on Alternatives to the use of Animals in Research & Education, at New Delhi, February 18 – 20, 2003.	
	UGC Refresher course in Pharmaceutical Engineering, Jadavpur University on September 17, 2002	Mechanism of action of bacterial toxin and drug development
<b>Dr. A.N. Ghosh</b>	UGC sponsored refresher course in Biophysics. Theme: Cellular, Molecular and Structural Biology held at University of Kalyani, Kalyani, during February 14 – March 6, 2003.	Electron Microscopy in Molecular Biology
<b>Dr. D.N. Gupta</b>	Workshop on Research Ethics held at National Institute of Cholera & Enteric Diseases Kolkata during March 24-27, 2003	



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**Dr. S.K. Mandal** Workshop on Research Ethics held at National Institute of Cholera & Enteric Diseases Kolkata during March 24-27, 2003

Workshop on Meta-analysis, organized by IPHA at Nagpur, Maharashtra on January 16, 2003

47th All India Conference of Indian Public Health Association at Nagpur, Maharashtra during January 17 – 19, 2003 .

Regional workshop on Infant and young Child Feeding organised by Breast-feeding Promotion NetWork of India Bihar State Branch at Patna on March 27 – 28, 2003

**Dr. S.K. Niyogi** Workshop on biosafety issues related to genetically modified organisms sponsored by Ministry of Environment and Forests and Department of Biotechnology, Govt. of India organized by Biotech Consortium India Ltd., New Delhi held at Kelingworth Hotel, Kolkata on October 4, 2002

Basic training in epidemiology for mid-level health personnel held at NICED, Kolkata from November 6-26, 2002

Laboratory based surveillance including use of molecular epidemiology

Indo-US collaborative meeting on strategy to reduce the burden of acute lower respiratory infection in India sponsored by Indo-US programme on Maternal and Child Health and Human Development Research, Indian Council of Medical Research, Ministry of Health and Family Welfare, Govt. of India and National Institute of Human Development of the National Institute of Health, United States, Department of Health and Human Services held at New Delhi from March 10 – 12, 2003

**Dr. D Sur** 46th Conference of Indian Public Health Association, WB Branch at Bangla academy Hall, Kolkata on June 8, 2002



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	10th Annual Scientific Conference at ICDDR,B, Dhaka, Bangladesh from June 11 – 13, 2002	Impact of zinc supplementation on growth and diarrhoeal morbidity of Low Birth Weight infants of an urban slum of Kolkata
	18th Annual State Conference of IAPSM at Medical College and Hospitals, Kolkata on June 22, 2002	
	11th National Conference on Paediatric Gastroenterology at Kolkata on October 5 – 6, 2002	
	47th All India Conference of Indian Public Health Association at Nagpur from January 17 – 19, 2003.	
<b>Dr. S. Ghosh</b>	Workshop on Research Ethics held at National Institute of Cholera & Enteric Diseases Kolkata during March 24-27, 2003	
	Workshop on Meta-analysis, organized by IPHA at Nagpur, Maharashtra on January 16, 2003	
	47th All India Conference of Indian Public Health Association at Nagpur, Maharashtra during January 17 –19, 2003	
<b>Dr. T. Ramamurthy</b>	Joint Meeting of WHO/GO/Collaborating Centers in India. February 5 – 6, 2002. IHMR, Jaipur.	
	Workshop on “Working out modalities for introduction of quality assurance in testing of various food articles under PFA Act 1954”. April 4 – 6, 2002.	
	National Symposium on Tropical Diseases. IICB, Kolkata. April 2-3, 2002.	Molecular epidemiology of cholera”.
<b>Dr. S. Dutta</b>	7th International Conference on Emerging Infectious Diseases in the Pacific Rim held at Shanghai, China from October 31 – November 2, 2002	
	Report meeting of USJCMSP Asian region collaborative project report 2001 held at Shanghai, China from October 31– November 2, 2002	Antibiotic resistance, virulence gene profiles and epidemiological subtyping of strains of <i>Shigella flexneri</i> isolated in Kolkata, India



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	Workshop on "Molecular techniques useful in identification & characterization of enteric pathogen-towards understanding molecular epidemiology in enteric diseases" for APCON 2002 (51st Annual conference of Indian Association of Pathology & Microbiology) held at NICED on December 10, 2002	Enteric pathogens associated with diarrhoea
	Workshop on "Strengthening Food Safety and Quality Systems in India through The work of the National Codex Committee" held at Indian Chambers of commerce India Exchange Kolkata from June 25- 26, 2002, sponsored by FAO and implemented by M/O Health and Family Welfare, Govt. of India	
	Workshop on biosafety issues emanating from use of genetically modified organisms (GMOS), held in Hotel the Kenilworth, Kolkata on October 4, 2002, was supported by Ministry of Environment and Forests, Dept of Biotechnology, Government of India and organized by Biotech Consortium India Limited, New Delhi	
<b>Dr. T. Biswas</b>	HIV Immunology Symposium at Tuberculosis Research Center (ICMR) in Chennai on October 4, 2002.	Study of a HIV positive cohort at Kolkata
<b>A. Palit.</b>	National Seminar on Tropical Diseases" on J.C.Roy centenary celebration organized by and at IICB, Kolkata on April 2 – 3, 2002	
	International Seminar on frontiers of Basis and Applied Molecular Biology", January 9 – 11, 2003 at Science City, Kolkata organized by Department of Biophysics, Molecular Genetics & University Sc.Inst.Centre, Calcutta University.	
<b>Dr. U. Mitra</b>	ICMR Workshop on Research Ethics held at NICED, Kolkata during March 24 - 27, 2003	
<b>Dr. M.K. Bhattacharya.</b>	Workshop on 'Research Ethics' held at NICED, Kolkata during March 24 – 27, 2003	



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	2nd Typhoid Fever workshop at International Vaccine Institute, Seoul, Korea on April 29 – May 1, 2002	
	Basics of ICH-GCP' in collaboration with the International Vaccine Institute and Glaxo Smith Kline Biologicals during August 26 – 27, 2002, Seoul, Korea	
<b>Dr. K. Sarkar</b>	Conference organized at Chennai by National Institute of Epidemiology to observe Epidemiology Week, held between December 30, 2002 and January 3, 2003.	
<b>Dr. B. Manna</b>	Workshop on Institutional cost, vaccine delivery cost & national policy dialogue tool data, held in Bangkok, Thailand from October 14 – 18, 2002	
	Workshop on data mangement - principles and practices, held in NHA Trang, Vietnam from November 19 - 21, 2002	
	Clinical data management workshop, held at Thammasat University, Bangkok, Thailand from March 24 – 29, 2003	
<b>Dr. T. Krishnan</b>	XII International Congress of Virology between July 27 – August 1, 2002, held in Paris, France.	Detection and molecular typing of human Astrovirus.
	Seminar on Impact of research on microbial world on the economy of the developing countries held in Lady Brabourne College, Kolkata on November 29, 2002.	An Overview On Virology
<b>Dr. M.K. Saha</b>	Eleventh Round Table Conference organized by Ranbaxy Science Foundation on 'Hepatitis B and Co-Infections' held at India Habitat Centre, New Delhi on December 3, 2002.	Prevalence of HBV and Co-infections in India'
<b>Dr. D.R. Saha</b>	51st annual national conference of IAPM held at Kolkata, Science city from December 13–15, 2002	Ultrastrucural changes in the gut mucosa of rabbit intestine induced by few virulent strains of V cholerae non O1
	CME on Head & Neck cancer on December 14, 2002 in NRS Medical college,	



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	Kolkata organised by Dept of Radiotherapy sponsored by Medical council of India	
<b>Dr. R. Nandy</b>	JICA/NICED Training Course on Molecular Epidemiology of Diarrhoeal Diseases With Special reference to Cholera. Period August 12-21, 2002	
<b>Dr. A. Mukhopadhyaya</b>	JICA/NICED Third Country Training Course on Molecular Epidemiology of Diarrhoeal Diseases With Special reference to Cholera. Period March 9 – 22, 2003.	
<b>Mr. K. Rajendran</b>	WHO Workshop on Clinical Data Management held at Thammasat University, Bangkok, Thailand held during March 24-29, 2003	
<b>Mr. S. Shil</b>	Advanced orientation workshop on information and communication held at National Institute of Occupational Health, Ahmedabad during June 25-27, 2002	
	WHO Workshop on Clinical Data Management held at Thammasat University, Bangkok, Thailand held during March 24-29, 2003	
<b>Ms. K. Ray</b>	Advisory committee meeting on modernization and upgradation of ICMR libraries and preparation of ICMR library manual held at ICMR Hq. New Delhi on December 19, 2002	
<b>Dr. K. Mitra Dhar</b>	Indian Parasitology Congress 2002, held at Department of Animal Science, MJP Rohilkhand University, Brailey (U.P), India, from October 31-November 2, 2002	Molecular characterization of human <i>Cryptosporidium</i> isolates from India
<b>Dr. K. Mitra Dhar</b>	International Seminar on “Frontiers of Basic and applied molecular biology” organized by Department of Biophysics, Molecular Biology & Genetics, University College of Science, University of Calcutta held at Science City Auditorium, Science City, Kolkata, India from January 9-11, 2003	Genotyping and subgenotyping of human <i>Cryptosporidium parvum</i>
<b>Md. Ali Akbar</b>	International Seminar on “Frontiers of Basic and applied molecular biology”	Cloning and characterization of <i>E.</i>



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	organized by Department of Biophysics, Molecular Biology & Genetics, University College of Science, University of Calcutta held at Science City Auditorium, Science City, Kolkata, India from January 9-11, 2003	<i>histolytica</i> peroxiredoxin gene, a 29 kDa thiol-dependent peroxidase glycoprotein
<b>Mr. S. Ganguly</b>	International Seminar on “Frontiers of Basic and applied molecular biology” organized by Department of Biophysics, Molecular Biology & Genetics, University College of Science, University of Calcutta held at Science City Auditorium, Science City, Kolkata, India from January 9-11, 2003	Localization and role of fibrillarin and small nuclear RNAs in post transcriptional modification of rRNA in <i>Giardia lamblia</i>
<b>Ms. S. Chaudhuri</b>	XII National Conference of Pediatric Gastroenterology at Ashutosh Birth Centenary Hall, Indian Museum, Kolkata on October 5-6, 2002 organized by Indian Academy of Pediatrics, West Bengal Branch	Molecular characterization of HCV strains isolated from 3 thalassemic children in Kolkata : Case study reports
<b>Mr. A. Sen</b>	International Seminar on Frontiers of Basic & Applied Molecular Biology organized by the Department of Biophysics, Molecular Biology and Genetics and University Science Instrumentation Centre, University of Calcutta during January 9-11, 2003 held at Science City, Kolkata.	The mechanical stability of bacterial flagella.
<b>Mr. K. Mitra</b>	International Seminar on Frontiers of Basic & Applied Molecular Biology organized by the Department of Biophysics, Molecular Biology and Genetics and University Science Instrumentation Centre, University of Calcutta during January 9-11, 2003 held at Science City, Kolkata.	Molecular characterization of Vibriophage S5 and its genome
<b>Ms. M. Dutta</b>	International Seminar on Frontiers of Basic & Applied Molecular Biology organized by the Department of Biophysics, Molecular Biology and Genetics and University Science Instrumentation Centre, University of Calcutta during January 9-11, 2003 held at Science City, Kolkata.	Characterization of Vibriophage S20 by Electron Microscopy



## 16 Training Received by the Scientists

### **Dr. P. Dutta,**

*Deputy Director (Senior Grade)*

Completed individual training course in clinical medicine at Kamada Hospital, Shizuoka Children Hospital, Shizuoka Prefectural Hospital, Hirakota City Hospital, Fukuoka Children Hospital, Dept. Bacteriology, Fukuoka Prefectural University and other related organization in Japan from 21st October to 21st November 2002 organised by International Cooperation Programme of the Govt. of Japan

### **Dr. T.N. Naik,**

*Deputy Director (Senior Grade)*

Visited Sapporo Medical University School of Medicine, Sapporo, Japan between November 26 to December 14, 2002 at the invitation of Prof. N. Kobayashi, Head, Department of Hygiene, Sapporo Medical University School of Medicine, Sapporo, Japan to review the ongoing collaborative research between two institutions. During the visit he also learned technique for amplification of different genes of unknown viruses without knowing the sequences of the virus.

### **Dr. P. Das,**

*Deputy Director*

Molecular characterization of *Cryptosporidium*, *Cyclospora*, Microsporidia under Dr. Altaf A. Lal, Dept. of Molecular Parasitology at Center for Disease Control (CDC), Atlanta, USA from March 15 to May 30, 2002 sponsored by Atlanta Research Foundation and CDC.

Genome mapping of *Giardia lamblia* under Prof. Rodney Adams, at Dept. of Microbiology and Immunology, University of Arizona, Tucson, USA, from June 1 to August 30, 2002 sponsored by UNESCO-MIRCEN-SGM.

### **Dr. D. Sur**

*Deputy Director*

The DOMI Programme: 2nd Typhoid fever workshop at Seoul, Korea 29th April -1st May 2002

Workshop on 'development of protocol for quantitative and qualitative surveys' at AIHH&PH, Kolkata on 17th June 2002

Workshop on 'Basics of ICH-GCP' at Seoul, Korea on 26th -27th August 2002 organised by International Vaccine Institute

CME programme on head and neck cancers at NRS Medical College, Kolkata on 14th December 2002

Workshop on 'Research Ethics' at NICED, Kolkata, organized by UCLA, USA and ICMR from 24th - 27th March 2003

### **Dr. T. Ramamurthy,**

*Assistant Director*

Participated in the training course on Microbiology organized by the Japan International Cooperation Agency (Govt. of Japan) at the Osaka Prefecture University, Osaka, Japan, under counterpart training programme in connective with the project for prevention of



Emerging Diarrhoeal Diseases from October 21, 2002 to January 31, 2003.

**Dr. S. Dutta.**

*Assistant Director*

Visited and trained on various molecular typing methods in the Department of Bacteriology, Fukuoka, Kyushu University, Japan from 10th May to 20th June, 2002 on continuation of ROMPAKU fellowship under RONPAKU Programme of Japanese Society for Promotion of Science (JSPS).

**Dr. T. Biswas,**

*Assistant Director*

Participated in WHO-UNAIDS sponsored training workshop (in collaboration with Duke University, H.F.Jackson Foundation & NIH) on “Application of the IFN-gamma ELISpot assay to monitor cellular immune responses in HIV vaccine related research in Asia” at National Center for Disease Control and Prevention, Beijing, People’s Republic of China, January 13-18, 2003.

**Dr. T. Krishnan,**

*Senior Research Officer*



*Participants of the Training Programme on Immunization strengtheng project*

Participated in the Multi-centric evaluation of a simple technique for the extraction of DNA from *Wuchereria bancrofti* infected *Culex quinquefasciatus* for PCR assay & rDNA-PCR assay for the identification of *Anopheles fluiatilis* held in Vector Control Research Centre (ICMR), in Pondicherry, Tamil Nadu from 24, March to 28, March 2003.

**Dr. R. Nandy,**

*Senior Research Officer*

Trained in the field of Genomics at Genome Sequencing Center, Washington University at St. Louis, Missouri, USA, during the period September 2001 to August 2002.



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## 17 Other Activities of the Scientists

### Dr. S.K. Bhattacharya

- Attended the Scientific Advisory Committee meeting of Bose Institute, Kolkata as a member
- Expert on Selection Committee of Senior Research Fellow of Bose Institute, Kolkata on 17th April, 2002.
- Attended the Inaugural Programme of "World no tobacco day" on 31st May, 2002 as a Special Guest of Honour and received the certificate of Fellowship of Indian Public Health Association at N.R.S. Medical College, Kolkata organized by Indian Public Health Association

### Dr. S. Chakraborty

- Guest faculty for Department of Physiology and Community Health and Dept of Microbiology, Vidyasagar University, West Bengal
- Resource person in Training Program for STD conducted by Institute of Serology, Govt of India
- Member of Project Review Committee (PRC) on HIV/AIDS of ICMR, New Delhi

### Dr. P. Dutta

- Reviewer of Indian Journal of Public Health
- Reviewer of The Child and Newborn
- Jt. Convener of Sovenior XII National Conference of Pediatric Gastroenterology at Ashutosh Birth Centenary Hall, Indian Museum, Kolkata on 5-6 October, 2002 organized by Indian Academy of Pediatrics, West Bengal Branch
- Organized the clinical meeting of Indian Academy of Pediatrics organised by NICED on 27th February 2003
- Member of Institutional Ethical Committee of Kothari Medical Centre, Kolkata

### Dr. T.N. Naik

- Reviewer of the projects submitted to DBT for funding
- Reviewer of Indian Journal of Medical Research
- Acted as a faculty for training medical laboratory technologists of the STD course organized by Institute of Serology, Kolkata

### Dr. P. Das

- Member Scientific Advisory Committee of Rajendra Memorial Institute of Medical Sciences, ICMR, Patna, 2002.
- Reveiwer of Indian Journal of Medical Resaerch.
- Member of Project Review Committee (PRC) on Diarrhoeal Diseases, ICMR, New Delhi.
- Member of Project Review Committee for Senior Research Fellow, ICMR, New Delhi.
- Member of Expert Committee for Assessment of Technical Staff of Indian Institute of Chemical Biology (IICB), Kolkata.



- Honorary Lecturer of MSc. Part II Zoology, Parasitology Immunology Special, Calcutta University.
- Member Board of Examiners for setting paper and practicals for MSc Zoology, Calcutta University.
- Resource person for UGC sponsored Refresher and Orientation Course, Dept. of Zoology, Calcutta and Viswa Bharati, University.

**Dr. M. K. Chakrabarti**

- Organized a Seminar on “Recent development of prevention and control of HIV/AIDS at Raja Peary Mohan College, Uttarpara, West Bengal on 14th September, 2002.
- Honorary Lecturer of M.Sc. Part II Course (Physiology and Microbiology) of Vidyasagar University.
- Member of Editorial Board of Indian Journal of Physiology and Allied Sciences and Reviewer of Comparative Medicine.
- Member, Under-graduate Board of Studies in Physiology of Calcutta University.
- Member of Board of Examiners of post-graduate Departments of Calcutta, Burdwan, Vidyasagar and Tripura University.



*Prof. A. K. Chakraborty, Prof. M. Lahin, Dr. K. K. Dutta and Dr. A. Roy at the ICMR Annual day Celebration*

- Participated in different academic activities as Member, Executive committee of the Physiological Society of India.
- Organised different academic activities as Honorary General Secretary, Prof. N. M. Basu Memorial Committee in Physiological Sciences.
- Resource person at UGC Refresher course, Department of Pharmaceutical Engineering, Jadavpur University on 17/9/2002. Topic: Mechanism of action of bacterial toxin and drug development.
- Participated in different meetings as a Member, Animal Ethics Committee, Presidency College, Kolkata.



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**Dr. D. Sur**

- Invited by All India Radio to speak on 'Diarrhoeal Disease - prevention and control' on 29th October 2002
- Resource person in ICMR-WHO workshop on 'Competence building for writing up proposals and seeking grants from National and International agencies' for scientists from research institutions, universities, medical colleges, held at Gangtok, Sikkim 27th - 29th November 2002
- Member of Institutional Ethical Committee of Kothari Medical Centre, Kolkata. Attended meeting on 23rd August 2002

**Dr. S. Dutta**

- Undertaken a study to evaluate a kit developed by a team of Swiss researcher for purification of drinking water on request from Secretary M/O Health and F.W. in collaboration of Regional Occupational Health Centre, Saltlake, Kolkata, India.

**Dr. T. Biswas**

- Served as a member of the expert committee on "Medical research and drug regime in respect of Jarawa tribes of Andamans", at RMRC (ICMR), Port Blair, June 10-14, 2002

**Mr. A. Palit**

- Co-PI in project evaluation and future strategy planning meeting with scientists of collaborating institutes, NICED & RMRI (ICMR) and RRSSC(KGP), ISRO, at RMRI, Patna and IIT, Kharagpur on 19-20 th September, 2002 for ICMR Task force project, "Application of remote sensing in Kala-azar".
- Delivered a Guest lecture at B.N.Dutta Smriti Mahavidyalaya, Burdwan on 26 th February, 2003 on "An introduction to Parasites and Parasitology".

**Dr. K. Sarkar**

- Reviewer of JAIDS

**Dr. B. Manna**

- Acted as a guest teacher to the Department of Veterinary, Epidemiology and Preventive Medicine, Faculty of Vety. & Animal Sciences, West Bengal University of Animal and Fishery Sciences

**Dr. M.K. Saha**

- Reviewer of the prestigious International journal "WATER RESEARCH" of International Water Association. Publisher: Elsevier Science, USA.
- External Examiner of the Department of Biotechnology of the Visva-Bharati
- External Examiner in the Department of Fish Microbiology of the West Bengal University of Animal and Fisheries Sciences.

**Dr. A. Pal**

- Conducted practical classes of students from Department of Microbiology, Vidyasagar University.



**Dr. T. Krishnan**

- Invited as Honorary Lecturer to deliver a course of lectures to the students of Master of Science [Genetics] in University of Calcutta for the academic session 2002-2003
- Participated as Convener of the Scientific Committee during the XI Annual Conference of National Environmental Science Academy on Emerging Pollutants: Impact on Health, Agriculture and Environment at Lady Brabourne College, Kolkata between 7-8, March 2003

**Dr. B.L. Sarkar**

- Served as a member of Board of Examiners for M. Sc. Students, special paper - Microbiology and Biotechnology of Burdwan University.
- Served as a Guest Teacher to the students of Microbiology of Vidyasagar University



*Prof. A. K.  
Chakraborty at  
the Annual Day  
Celebration*



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## 18 Award Received by the Scientists

### **Dr. D. Dutta**

Awarded Ph.D. degree in Medical Microbiology from Calcutta University in the year 2003

### **Dr. P. Das**

Elected as Fellow of West Bengal Academy of Science & Technology

Awarded Atlanta Research Foundation fellowship to work at Center for Disease Control (CDC), Atlanta, USA.

Awarded UNESCO-MIRCEN-SGM fellow to work at University of Arizona, Tuscon, USA.

### **Dr. M. K. Chakrabarti**

Elected as Fellow of West Bengal Academy of Science & Technology.

### **Dr. D. N. Gupta**

Awarded Fellowship of Indian Public Health Association ( FIPHA)

### **Dr. S. K. Mandal**

Awarded Fellow of Indian Public Health Association (FIPHA)

### **Dr. D. Sur**

Elected Joint Secretary of All India Body of Indian Public Health Association for 2002-2004

Elected Hony. Secretary of Indian Public Health Association, West Bengal Branch for 2003-2004.

Advisor to International Consultation on 'Action Research on Health Care Utilisation' organised by Centre for Research on Epidemiology of Disasters (CRED) Brussels.

### **Dr. S. Ghosh**

Awarded Fellow of Indian Public Health Association (FIPHA)

### **Dr. M. K. Bhattacharya**

Awarded as Fellow of West Bengal Academy of Science and Technology, 2002

Awarded as Fellow of National Academy of Science, India, 2002.

### **Dr. M.K. Saha**

Invited by Ranbaxy Science foundation to deliver a talk in the 11th Round Table conference on " Prevalence of Hepatitis B and Co-Infections" held at New Delhi on December 3, 2002.



**Ms. Bhaswati Sarkar**

Awarded Ph.D. degree for her research work entitled “Quality assessment of sewage effluents for agricultural uses with special references to human enteric pathogens in and around Calcutta”

**Kazi Mirazul Hoque**

- Awarded Ph.D (Science) degree of Jadavpur University under the supervision of Dr. M.K. Chakrabarti, Deputy Director & Head, Division of Pathophysiology.
- Receptient of UNESCO-ASM travel award for his work on “Signal transduction pathway involved in the mechanism of action of E.coli STa” at NIH, USA during September to November 2002

**Subarna Roy**

Awarded Ph.D. degree from the University of Burdwan under the guidance of Dr. R. Kumar, for his thesis entitled “Microbial degradation of petroleum hydrocarbons in the coastal water of deltaic Sunderbans”

**Mr. Anjan Debnath**

Recipient of UNESCO-ASM Travel Award (2002).

**Mr. Sandipan Ganguly**

Recipient of Best Poster Presentation for the abstract entitled “Localization and role of fibrillarin and small nuclear RNAs in post transcriptional modification of rRNA in *Giardia lamblia*” in International Seminar on “Frontiers of basic and applied molecular biology” organized by Department of Biophysics, Molecular Biology & Genetics & University Science held at Science City Auditorium, Science City, Kolkata, India from January 9-11, 2003.



# 19 List of Publications

## Publications in national journal

1. Chattopadhyay UK, Gupta S, Dutta S. Search for Shigatoxin producing *Escherichia coli* (STEC) including O157: H7 strains in and around Kolkata. *Indian J Med Microbiol* 2003; 21: 17-20.
2. Chowdhury A, Berg DE, Jeong JY, Mukhopadhyay AK, and Nair GB. Metronidazole resistance in *Helicobacter pylori* : Magnitude, Mechanism and Implications for India. *Indian J Gastroenterol* 2002; 21: 23-28.
3. Datta S, Chowdhury A, Mukhopadhyay AK, Bhattacharya SK, Berg DE and Nair GB. Molecular and evolutionary genetics of the gastric pathogen, *Helicobacter pylori*. *Indian J Med Res* 2002; 115: 73-101.
4. Kannan S, Chattopadhyay UK, Pal D, Shimada T, Takeda Y, Bhattacharya SK and Ananthanarayanan PH. Isolation and identification of *Aeromonas* from patients with acute diarrhoea in Kolkata, India. *Indian J Med Microbiol* 2001; 19(4): 190-192.
5. Saha MR, Dutta P, Niyogi SK, Dutta S, Mitra U, Ramamurthy T, Manna B, Bhattacharya SK. Decreasing trend in the occurrence of *Salmonella enterica* serotype Typhi amongst hospitalized children in Kolkata, India during 1990-2000. *Indian J Med Res* 2002; 115: 46-48.
6. Sundaram SP, Revathi J, Sarkar BL and Bhattacharya SK. Bacteriological profile of cholera in Tamilnadu (1980-2004). *Indian J Med Res* 2002; 116: 258-263
7. Sur D, Sengupta PG, Mondal SK, Dutta P, Gupta DN, Ghosh S, Pandey A, Ramamurthy T, and Bhattacharya SK. A localized outbreak of *Vibrio cholerae* O139 in Kolkata, West Bengal. *Indian J Med Res* 2002; 115: 149-152.
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2. Bhattacharya B, Karak K, Ghosal AG, Roy A, Das S, Dandapat P, Khetawat D, Mondal DK, Bhattacharya SK, and Chakrabarti S. Development of a new sensitive and efficient multiplex polymerase chain reaction (PCR) for identification and differentiation of different mycobacterial species. *Trop Med Interl Hlth* 2003; 8: 150-157.
3. Bhattacharya SK. An evaluation of current cholera treatment. *Expert Opin Pharmacother* 2003; 4: 141-146.
4. Chattopadhyay K, Bhattacharyya D, and Banerjee KK. *Vibrio cholerae* hemolysin: Implication of amphiphilicity and lipid induced conformational change for its



pore forming activity. Eur J Biochem 2002; 269: 4351-4358.

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11. Dasgupta B, Roychoudhury K, Ganguly S, Sinha PK, Vimal S, Das P and Roy S. Upregulation of interferon gamma receptor-1 in monocytes of kala-azar patients and THP1 cells after treatment with antileishmanial drugs. Annals Trop Med Parasitol 2003;97: 191-198.
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#### Book Chapter

1. Bhattacharya SK. and Nair GB. Cholera. In: Clinical Immunology. P. C. Sengupta Eds Oxford University Press, New Delhi. 2003 pp. 1049-1056
2. Bhattacharya SK. Acute diarrhoeal disease in children. In: Clinical Immunology. P. C. Sengupta Eds Oxford University Press, New Delhi. 2003 Eds pp.1175-1181,

#### Publication in proceedings

1. Sen A, Kobayashi N; Bhattacharya S K and Naik T N. Molecular Characterization and Epidemiology of Group B Rotaviruses. In: Diarrhoeal Diseases: Current Status, Research Trends and Field Studies. D. Raghunath and R. Nayak Eds. Tata Mc Grow-Hill Publishing Company Ltd., New Delhi pp. 137-178.
2. Bhattacharya SK, Nair GB, Ramamurthy T, Saha MR, Sur D and Bhan MK. Current status of drug resistance in enteric pathogens and implications for therapy. In: Proceedings of the Third Sir Dorabji Tata Symposium on Diarrhoeal Diseases (Current status, research trends and field studies), Ed. Raghunath D and Nayak R. Tata McGraw-Hill Publishing Company Limited, New Delhi 2003; pp.285-293.
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4. Kishore K, Palit A, Kumar V, Kesari S, Dinesh DS, Ranjan A, Lal CS, Siddiqui NA, Kumar N, Bhattacharya SK. Evaluation of long acting Malathion paint formulation (SRES) in the control of sandfly in Kala-azar area of Bihar. Abstract. Xth Int.Cong.of Parasitol.4-9th August, 2002, Vancouver, Canada 2002; pp.186.
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 Shri R.B. Bose, B.Com., Technical Assistant  
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 Shri A. Ganai, Laboratory Technician (from 17.1.2003)  
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### **Division of Biochemistry**

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Dr.(Smt.) A. Datta, M.Sc., Ph.D., Deputy Director (Senior Grade) (upto 13.3.2003)

Dr. N.S. Chatterjee, M.Sc., Ph.D., Senior Research Officer

Shri C.R. Pal, B.Sc., Dip. In M.L.T., Technical Assistant

Shri S.R. Chowdhury, Senior Laboratory Assistant

Shri T. Roy, Sr. Laboratory Assistant

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### **Division of Microbial Genetics**

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Dr. R. Kumar, M.Sc., Ph.D., Deputy Director (Senior Grade)

Shri R. De Sarkar, Senior Laboratory Assistant

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### **Division of Pathophysiology**

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Dr. M.K. Chakrabarti, M.Sc., Ph.D., Deputy Director

Dr. A. Pal, M.Sc., Ph.D., Senior Research Officer

Shri A. Ghosh, B.Sc., Technical Officer

Shri S. Talukdar, B.Sc., Senior Technical Assistant

Shri D.C. Chatterjee, B.A., Technical Assistant

Shri S.C. Sen, Technical Assistant

Shri J. Ram, Senior Laboratory Assistant (from 01.2.2003)

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### **Division of Virology**

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Dr. T.N. Naik, M.V.Sc., Ph.D., Deputy Director (Senior Grade)

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Dr.(Smt.) T. Krishnan, M.Sc., Ph.D., Senior Research Officer

Dr. S.C. Bhunia, B.Sc., D.M.S., Technical Assistant

Dr. S.K. Sadhukhan, B.Sc., D.M.S., Technician

Shri K. Sen, Laboratory Assistant

Shri B.K. Bera, Laboratory Attendant

Shri N.C. Mondal, Sweeper

Miss C. Das, Sweeper

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### **Division of Electron Microscopy**

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Dr. A.N. Ghosh, M.Sc., Ph.D., Deputy Director

Dr.(Smt.) D.R. Saha, M.D., Senior Research Officer

Shri S. Ghosh, B.Sc., Senior Technical Assistant

Miss A. Panda, B.Sc.,(Botany Hons.), D.M.L.T., Technician

Shri R. Kumar, Laboratory Assistant (from 01.11.2002)



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**Division of Training & Extension**

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Dr. P. Dutta, M.B.B.S., Ph.D., Deputy Director (Senior Grade)  
 Shri R.J. Mukherjee, B.Sc., L.L.B., Technical Assistant  
 Shri M. Lal, Senior Laboratory Assistant (upto 28.2.2003)  
 Shri A. Jana, Laboratory Assistant  
 Shri A.K. Roy, Laboratory Attendant  
 Shri S. Adhikari, Chowkider

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**Vibrio Phage Reference Laboratory**

---

Dr. B.L. Sarkar, M.Sc., Ph.D., Assistant Director  
 Shri M.K. Roy, Senior Technical Assistant  
 Shri S. Saha, Laboratory Assistant

---

**Maintenance, Instruments & Equipments Section**

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Shri P.K. Ghosal, Maintenance Engineer  
 Shri M.M. Moitra, B.Sc., Technical Officer (from 01.8.2002)  
 Shri A.R. Das, Care-taker  
 Shri S. Parui, Electrician  
 Shri A. Sarkar, Plumber  
 Shri A.K. De, Laboratory Attendant

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**Media Section**

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Dr. N.C. Mukherjee, B.Sc., D.L.T., D.M.S., Technical Officer  
 Shri P.K. De, Senior Technical Assistant  
 Shri S.N. Goswami, Technical Assistant  
 Shri N.K. Sikder, Laboratory Technician  
 Shri G. Mohanty, Senior Laboratory Assistant  
 Shri B. Patranabish, Laboratory Assistant  
 Shri S. Das, Head Sweeper  
 Shri M. Lal, Head Sweeper

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**Animal House Section**

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Dr. R.K. Sarkar, B.V.Sc. & A.H., Veterinary Officer  
 Shri G.N. Patra, Senior Laboratory Assistant  
 Shri K. Biswas, Senior Laboratory Assistant  
 Shri K.C. Tudu, Senior Laboratory Assistant (from 01.11.2002)  
 Shri S.R. Balmiki, Head Watchman  
 Shri P. Turi, Head Sweeper  
 Shri S. Hari, Sweeper



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**Library**

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Smt. K. Ray (nee Datta), B.Sc., M.Lib., I.Sc., Assistant Library Information Officer.  
 Miss S. Roy Chowdhury, B.Sc.(Hons.), Bachelor of Lib. & Info. Science, Lib. Info. Assistant  
 Shri T. Pal, Library & Information Assistant (from 13.1.2003)  
 Shri M. Chakraborty, Senior Laboratory Assistant  
 Shri P.K. Samanta, Library Attendant  
 Shri B. Roy, Library Attendant

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**Office**

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Shri M. Alam, B.Com, L.L.B., Administrative Officer  
 Shri P. Sen, B.Com., Accounts Officer  
 Shri C.R. Bose, B.Com., Private Secretary (from 01.2.2003)  
 Shri S.C. De, B.Com., Section Officer  
 Shri K.K. Majumder, B.Com., Section Officer  
 Shri S. Karmakar, B.com., Private Secretary  
 Shri G.C. Dhar, Section Officer  
 Shri S.K. Das, B.Sc., Private Secretary (upto 31.1.2003)  
 Smt. S. Das, Assistant  
 Shri T.K. Chanda, B.Sc., Assistant (from 01.2.2003)  
 Shri P.K. Ghosh, B.Com., Assistant  
 Shri T.K. Saha, Assistant  
 Shri P. Bhadra, B.Com., Assistant  
 Shri S. Banerjee, B.Sc., Assistant  
 Shri P.K. Bose, B.Com., L.L.B., Assistant  
 Shri V. Besra, U.D.Clerk  
 Shri S. Bandyopadhyay, B.Com., Assistant  
 Shri S. Ghosh, B.Com., Assistant (upto 31.1.2003)  
 Shri R. Chowdhury, B.Com., U.D. Clerk  
 Shri G.C. Das, B.Sc., U.D. Clerk  
 Shri C.K. Naskar, B.Com., U.D. Clerk  
 Shri S. Bernard, B.A.(Hons.), Personal Assistant  
 Shri R.G. Kundu, U.D. Clerk  
 Shri R. Biswas, U.D. Clerk  
 Shri S. Sen, B.Com. (Hons.), Stenographer (from 03.2.2003)  
 Mrs. D. Basu, B.A., U.D. Clerk (upto 31.1.2003)  
 Mrs. I. Sen, M.Sc., B.Ed., L.D. Clerk  
 Shri D.K. Gayen, B.Com.(Hons.), L.D. Clerk  
 Shri A. Chandra, B.Com., L.D. Clerk  
 Shri P. Guha, B.Com.(Hons.), L.D. Clerk  
 Mrs. M. Sanyal, Telephone Operator



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List of the Staff

Shri P.N. Jha, Lab. Assistant (from 01.2.2003)  
 Shri A.K. Saha, Store Attendant  
 Shri G.C. Tudu, Daftry  
 Shri T.K. Pal, Daftry (from 23.7.2002)  
 Shri S.K. Shaw, Peon  
 Shri I. Singh, Peon  
 Shri J. Malakar, Peon  
 Shri N.K. Maity, Senior Gardener (upto 07.3.2003)  
 Shri M.L. Dosad, Head Sweeper  
 Shri D. Turi, Sweeper  
 Shri R. Hazra, Sweeper  
 Shri K. Roy, Laboratory Attendant (From 28.02.2003)  
 Shri K. Dey, Chowkider  
 Shri K. Ghoshal, Sweeper  
 Shri S.K. Routh, Sweeper  
 Smt. B. Hela, Sweeper  
 Shri R. Hela, Sweeper  
 Shri N.G. Sutradhar, Chowkider  
 Shri Omkar Lal, Chowkider

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**JICA Project**

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Shri C. R. Bose, B.Com., Administrative Officer (upto 31.1.2003)  
 Shri T. K. Chanda, B.Sc., Section Officer (upto 31.1.2003)  
 Shri P. N. Jha, Laboratory Assistant (upto 31.1.2003)

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**Vehicle Section**

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Shri G. Bose, Senior Driver  
 Shri G. Mehboob, Mechanic  
 Shri K. Ram, Senior Driver  
 Shri D. Saha, Senior Driver  
 Shri Md. Lal Babu, Senior Driver  
 Shri S. Das, Senior Driver  
 Shri M. Ali Khan, Helper to Mechanic  
 Shri D. K. Chowdhury, Driver  
 Shri H. P. Das, Driver  
 Shri C. Nayak, Driver  
 Shri A. K. Dutta, Driver  
 Shri S. Das, Driver





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