

5. Publications / Participation in Conferences, Workshops, Meetings etc/Expertise deliverance / Awards and Honours

5.1 Publications during 2005

1. Ahmad N, Alam MK, Shehbaz A, Khan A, Mannan A, Hakim, Rashid S, Bisht D and Owais M (2005). Antimicrobial activity of clove oil and its potential in the treatment of vaginal candidiasis. *J Drug Targeting* ; **13**: 555-561.
2. Banerjee S, Nandyala A, Podili R, Katoch VM and Hasnain SE (2005). Comparison of *Mycobacterium tuberculosis* isocitrate dehydrogenase (ICD-1 and ICD-2) reveals differences in coenzyme activity, oligomeric state, pH tolerance and phylogenetic affiliation. *BMC Biochem* ; **29**: 20-33.
3. Chauhan DS and Katoch VM (2005) Bovine tuberculosis in India : a zoonosis? Special issue. *Proc Nat Acad Sci India* ; **75** :35-60.
4. Dayal R, Singh SP, Mathur PP, Katoch VM, Katoch K and Natrajan M (2005). Diagnostic value of *in situ* polymerase chain reaction in leprosy. *Indian J Paedtr* ; **72**: 1043-1046.
5. Ganguly NK and Katoch K (2005) Bringing modern health technology to the people *Global Forum Update on Research for Health* ; **2** : 136-140.
6. Gupta UD and Katoch VM (2005). Animal models of tuberculosis. *Tuberculosis* **85**: 277-293.
7. Gupta UD, Katoch K, Singh HB, Natrajan M and Katoch VM (2005) Persister studies in leprosy patients after multi drug treatment. *Int J Lepr* ; **73**: 100-104.
8. Hussain T, Kulshreshtha KK, Sood S, Arif M., Sinha S, Yadav VS, Sengupta U and Katoch VM (2005). Seroprevalence of HIV infection among the Foreign Students at Agra between 1988 - 2002: A short communication. *Indian J Med Res* **122**: 447-450.
9. Hussain T, Sinha S, Kulshreshtha KK, Katoch K, Yadav VS, Sengupta U and Katoch VM (2005). Seroprevalence of HIV infection among Leprosy patients in Agra, India : Trends and perspective. *Int J Lepr* ; **73**:93-99.
10. Kumar Gokhlesh, Singh HB, Srivastava K and Katoch VM (2005) Screening of Indian buffaloes for *Mycobacterium tuberculosis* complex by amplification of IS1081 gene. *J Vet Pub Hlth* ; **3**:7-11.
11. Kumar A, Yadav VS, Girdhar A and Girdhar BK (2005). Leprosy situation in Agra city-Epidemiological findings. *Indian J Lepr* ; **77**: 239-243.
12. Kumar A., Girdhar A. and Girdhar BK (2005). Prevalence of leprosy in Agra district (UP) in India from 2001-2003 . *Int J Lepr* ; **73** :115-121.
13. Lavania M, Katoch VM, Singh HB, Das R, Sharma VD, Chauhan DS, Natrajan M



- and Katoch K (2005). Genetic polymorphism among *Mycobacterium leprae* strains from Northern India using TTC repeats. *Indian J Lepr*; **77**: 60-65.
14. Malaviya GN (2005). Development of keratin horn in a plantar ulcer scar. *Indian J Lepr*; **77**: 57-59.
 15. Malaviya GN (2005). Suture less circumcision: Comments. *Indian J Surg* **67**: 55.
 16. Malaviya GN (2005). Can we have simpler solutions? *Lepr Rev*; **76**:100.
 17. Malaviya GN (2005). Closure of simple heel ulcers by skin stretching. *Indian J Lepr*; **77**: 255-265.
 18. Malaviya GN (2005). Myiasis in leprosy *Int J Lepr*; **73**:277-279.
 19. Malaviya GN (2005). Neuropathic pain in leprosy patients. *Int J Lepr*; **73**:34-35.
 20. Malaviya GN (2005). Balancing tension in transferred slips in some dynamic procedures for claw finger correction. *Indian J Plastic Surgery*; **38**:180- 187.
 21. Malaviya GN (2005). Flexor Digitorum Superficialis - Revisited. *Indian J Lepr*; **77**: 305-316.
 22. Malaviya GN (2005). Skin stretching for closure of simple heel ulcers in leprosy affected feet. *Rural Surgery*; **1**: 4-7.
 23. Malaviya GN (2005). Towards rehabilitation in leprosy - tendon transfers in hand. *J Rehab Asia* **38**:17-25.
 24. Malaviya GN (2005). Towards rehabilitation in leprosy restoration of sensory functions. *J Rehab Asia*; **38**: 26-30.
 25. Mishra A, Singhal A, Chauhan DS, Katoch VM, Srivastava K, Thakral SS, Bharadwaj SS, Sreenivas V and Prasad HK (2005). Direct detection and Identification of *Mycobacterium tuberculosis* and *Mycobacterium bovis* in bovine samples by a novel nested PCR Assay : Correlation with conventional Techniques. *J Clin Microbiol*; **43**: 5670-5678.
 26. Prasad HK, Singhal A, Mishra A, Shah NP, Katoch VM, Thakral SS, Singh DV, Chumber S, Bal S, Aggarwal S, Padma MV, Kumar S, Singh MK, Acharya SK (2005). Bovine tuberculosis in India: Potential basis for zoonosis. *Tuberculosis* ; **85**: 421-428.
 27. Sharma NL, Mahajan VK, Kanga A, Sood A, Katoch VM, Mauricio I, Chauhan DS, Pawan UC, Sharma VK and Sharma RC (2005). Localized cutaneous Leishmaniasis due to *Leishmania donovani* and *Leishmania tropica*: preliminary findings of 161 new cases from a new endemic focus in Himachal Pradesh, India. *Am J Trop Med Hyg*; **72**:819-824.
 28. Sharma P, Mukherjee R, Talwar GP, Sarathchandra KG, Parida SC, Walia R, Pandey RM, Rani R, Kar H, Mukherjee A, Katoch K, Benara SK, Tusli and Singh P (2005). Immunoprophylactic effect of anti-leprosy *Mw* vaccine in house hold contacts of leprosy patients: Clinical field trials with follow up of 8-10 years. *Lepr Rev*; **76**: 127-143.



Other Publications

Book Review/Chapters in Books/Proceedings

1. Bisht D, Owais M and Venkatesan K (2005). Potential of plant derived products in the treatment of mycobacterial infections. In: Modern Phytomedicine, Turning medicinal plants into drug. (Eds I Ahmad, F Aqil & M Owais) published by WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany.
2. Gupta UD and Katoch K (2005). Use of non-human primate models for leprosy research. In: Vision, Challenges and Opportunities, Eds. C.P. Puri and N.K. Ganguly National Centre for Primate Breeding and Research. pp 491-496.
3. Malaviya GN (2005). Review of the title "Surgical Reconstruction & Rehabilitation in Leprosy and Other Neuropathies" by Richard Schwartz and Win Brandsma (ed.). Kathmandu (Nepal): Ekta Books, CPO Box 6445, Thapathali. ISBN99933-1-371-8. *Indian J Lepr*; **77**: 202-204,
4. Malaviya GN, Sugar AM and Patel MR (2005). Chronic Infections In: Green's Operative Hand Surgery, 5th Edition, Elsevier.
5. Malaviya GN (2005). Preventive and therapeutic methods of treating disabilities in leprosy changing roles of PM & R personnel and the need for training GHC personnel. In : Proceedings of the Workshop on Integration of leprosy services into the mainstream of physical medicine and rehabilitation; Published by ALERT-India, Mumbai, pp 60-64.
6. Kumar A. (2005). Before integration, there is need to explore the efficiency of GHS to achieve programme goals. In : Proceedings of National Seminar on Integregation of leprosy in the GHC system in cities and Towns- Experience and Lessons by ALERT-India, Mumbai.



Research output of NJIL & OMD in 2005

Summary Sheet

Parameters

Papers	28
Publishing Authors*	131
Publishing Journals	17
Single Author Papers	11
More than 3 Authors	13
Papers covered in SCI/JCR	13 (46.4%)
Top Publishing Authors	
1. Katoch VM	(12 Papers)
2. Malaviya GN	(11 Papers)
3. Katoch K	(6 Papers)

Sl.No.	Publishing journal(s)	No. of papers	Coverage in JCR/SCI, 2005, IF	Total IF
1.	Am J Trop Med Hyg	1	2.482	2.482
2.	BMC Biochem	1	—	—
3.	Global Forum Update on Research for Health	1	—	—
4.	Indian J Lepr	5	—	—
5.	Indian J Med Res	1	0.869	0.869
6.	Indian J Paedtr	1	—	—
7.	Indian J Plastic Surg	1	—	—
8.	Indian J Surg	1	—	—
9.	Int J Lepr	5	0.426	2.320
10.	J Clin Microbiol	1	3.537	3.537
11.	J Drug Target	1	1.569	1.569
12.	J Rehab Asia	2	—	—
13.	J Vet Pub Hlth	1	—	—
14.	Lepr Rev	2	0.833	1.666
15.	Proc Natl Acad Sci India	1	—	—
16.	Rural Surg	1	—	—
17.	Tuberculosis	2	3.899	7.798
	Total	28	13(46.4%)	20.052
	Average			1.542

*Including co-author(s) from other Institute(s)

Courtesy : Information and Publication Division, ICMR HQ, New Delhi



5.2. Participation of scientists in various meetings/ seminars / symposia /workshops

Dr. V.M. Katoch, Director

1. Participated in National Science Conference of Federation of ICMR Employees on 7th April, 2005 at NIV, Pune and delivered the key note address.
2. Participated in Indo-Bulgarian Workshop at New Delhi on 25th April, 2005.
3. Participated in Indo-German Workshop on “Recent advances in global research on infectious diseases” held at Braunschweig, Germany from 16th-18th June, 2005 and delivered a guest lecture on "Epidemiology of tuberculosis in India by conventional and molecular approaches".
4. Participated in the National Consultation on drug resistance in Malaria, TB/AIDS on 19th Sept., 2005 and delivered a talk on "Molecular mechanisms of drug resistance in tuberculosis".
5. Participated in the National Workshop on "Surveillance for leprosy" at Chennai on 20th Sept., 2005 and delivered an invited talk.
6. Participated in an International Symposium on Ocular leprosy at Kolkata on 1st Oct., 2005 and delivered a guest lecture on "Aetiopathogenesis of Leprosy".
7. Participated in International conference on Malaria at New Delhi on 4th Nov., 2005.
8. Participated in the CME and Indian Association of Leprologists (IAL) conference at Agra from 6th-9th Nov., 2005 and delivered lead talk entitled "Molecular diagnosis of mycobacteria: probes, gene amplification and DNA chip". He was the Organizing Secretary of this conference.
9. Participated in the Indo-French (ICMR-Mereuix) workshop on "Serodiagnosis of tuberculosis" on 18th Dec., 2005 at New Delhi.
10. Delivered a guest lecture on “Methods for diagnosis of drug resistance in tuberculosis” in the National Conference on Infectious Diseases at New Delhi on 18th Dec., 2005.
11. Delivered a Guest lecture entitled "Infectious disease research in India-opportunities" in a Symposium (Catalysis- Connexions) at New Delhi on 31st Jan., 2006.
12. Delivered key-note address on “Molecular methods for diagnosis and management of drug resistant TB” in DBT Workshop at Wardha on 6th Feb., 2006.
13. Delivered a plenary lecture on Drug resistance in tuberculosis in 6th Joint Annual Conference of the Indian Society of Malaria and Other Communicable Diseases (ISMOCD) & Indian Association of Epidemiologists (IAE) on 11th Feb., 2006.



14. Delivered a guest lecture on "Advances in the development of techniques for molecular biology research" in the National symposium on "Recent trends in molecular biology" at Gwalior on 27th Feb., 2006.
15. Participated in the 21st NIMR Annual Joint Conference on "Health Research Priority setting in Tanzania: meeting the Millennium Development Goals -MDGs" at Arusha, Tanzania from 7th-9th March, 06 and delivered a guest lecture on "Advances in technology for TB research and management: Indian Experience".
16. Delivered a guest lecture on "Isolation and characterization of non-tuberculous mycobacteria: JALMA experiences" in the International CME on tuberculosis and NTM" at Sevagram on 24th March, 2006.

Dr. G.N. Malaviya, Deputy Director (SG)

1. Participated in 29th Annual Conference of Indian Society for Surgery of the Hand surgeons and
 - (a) Presented a paper titled " Median nerve damage with dynamic claw finger correction procedures in leprosy".
 - (b) Chaired the session on "Soft Tissue Cover and Flaps" 27th-28th Aug., 2005 at Kochi.
2. Attended workshop on "Radial club hand and Proximal Interphalangeal joint contractures". 26th Aug., 2005 at Kochi.
3. Attended workshop on "Standardization of Rural Hospitals and Postgraduate Continuing Medical Education and Training in Rural Surgery." 22nd Sept., 2005 at Ujjain
4. Attended First International Conference of Rural Surgeons - ARSICON 2005 from 23rd-25th Sept., 2005 at Ujjain and
 - (a) Presented paper titled "Skin stretching for closure of simple heel ulcers in leprosy affected feet"
 - (b) Chaired the session on "Medicine, Ear, Nose, Throat and Eye."
5. Attended National Workshop on "Integration of Leprosy Rehabilitation Services into the Mainstream of Physical medicine and Rehabilitation" organized by ALERT India & AIIPM&R at Mumbai on 10th Oct., 2005 and delivered a talk on "Preventive and Therapeutic Methods of Treating Disabilities in Leprosy: Changing Roles of PM & R Personnel and the Need for Training GHC Personnel".
6. Attended 24th Biennial conference of IAL held at Agra from 12th to 14th Nov., 2005 and
 - (a) Presented a paper entitled "Can Median Nerve be Damaged During Claw Finger Correction."



(b) Delivered invited lecture “Prevention and Management of Impairments and Disabilities in Context of Integrated Leprosy Elimination Program”

(c) Chaired session - Invited lectures on Reconstructive Surgery.

Dr. Kiran Katoch, Deputy Director (SG)

1. Attended the International meeting “Brainstorming workshop on TB diagnosis” at ICGEB New Delhi, 18th-20th May, 2005 and presented a paper on “Diagnosis of tuberculosis”
2. Participated in the 24th Biennial National Conference of IAL held at Agra, 12th-14th Nov., 2005 and presented a paper on “Pockets of high endemicity : Ghatampur story”.
3. Participated in the Workshop organized jointly by ICMR and Merieux Foundation on "Tests for diagnosis of TB" at New Delhi on 17th-18th Dec., 2005
4. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and co-chaired the session on "Tuberculosis in India : Challenges and Achievements".

Dr. Anil Kumar, Deputy Director (SG)

1. Attended and delivered a invited talk on “Leprosy Scenario in Agra District” in special session on "Leprosy trends", at 24th Biennial Conference of the IAL held at Agra from 12th -14th Nov., 2005.
2. Attended and delivered a Lead talk on “ Is increasing MB% a sign of relief for the programme" in special session on Leprosy at 6th Joint Annual Conference of the ISMOCD & IAE held at Agra from 11th-13th Feb., 2006. He was the organizing secretary of the conference.

Dr. K. Venkatesan, Deputy Director

1. Participated in the NRDC Training-cum-Seminar on “Emerging Scenario of Patents Protection, valuation and Commercialization” held at Chennai on 26th-27th April, 2005.
2. Participated in the 'The Leprosy Mission (TLM) Laboratories Research Coordination Workshop' held at New Delhi on 26th -28th Sept., 2005.
3. Participated in the XXIX National Conference of Indian Association of Medical Microbiologists' (IAMM) held at Chennai on 21th-23rd Oct., 2005 and besides chairing a scientific session presented a paper entitled “Incorporation of carbon from palmitic acid into cell wall lipids of *M. bovis* BCG”.
4. Participated in the 24th Biennial Conference of the IAL held at Agra on 12th-15th Nov., 2005 and presented a paper entitled "Accumulation of Ofloxacin and Ciprofloxacin in mycobacteria", besides chairing a scientific session on "Laboratory Aspects". He was the Treasurer and Joint Secretary of the Conference.



5. Participated in the 38th Annual Conference of the Indian Pharmacological Society held on 28th-30th Dec., 2005 at Chennai and presented a paper entitled "Accumulation of Ofloxacin and Ciprofloxacin in mycobacteria", besides chairing a scientific session.
6. Participated in the 6th Joint Annual Conference ISMOCD & IAE held at Agra on 11th-13th Feb., 2006.

Dr. Anita Girdhar, Deputy Director

1. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
2. Attended the 6th Joint Annual Conference ISMOCD & IAE held at Agra on 11th-13th Feb., 2006.

Dr. Mohan Natarajan, Deputy Director

1. Attended National Conference of IADV&L at Hyderabad, 2nd-6th Feb., 2006 and presented a paper entitled "Diagnostic utility of Direct *in situ* PCR in the histological diagnosis of Clinically Suspect Leprosy."
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. S. Husain, Deputy Director

1. Participated in 29th Annual Conference of Indian Society for Surgery of the Hand surgeons 27th-28th Aug., 2005, at Kochi and presented a paper entitled "Restoration of Hand sensation in Leprosy".
2. Attended U.P. Chapter conference of Association of Orthopaedic surgeons held at Varanasi from 6th-8th June, 2005 and chaired a session on Nerve injuries.
3. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
4. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. U.D. Gupta, Deputy Director

1. Participated in the 'DBT-ICGEB Brainstorming Workshop on Tuberculosis' held at ICGEB, New Delhi from 19th - 21st May, 2005.
2. Attended the Annual Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled "Studies on Molecular characterization of MDR strains of *M.tuberculosis*"



3. Attended 24th Biennial Conference of the IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled " Screening for drug resistant *M. leprae* using mouse foot pad in relapse case of MB leprosy : A multi-centric study".

Dr. V.D. Sharma, Assistant Director

Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.

Dr. Om Parkash, Assistant Director

1. Delivered a guest lecture on "Good laboratory practice in Immunodiagnostic Laboratory" during a training programme on "ISO Certification of Veterinary Diagnostic Laboratories" on 6th - 9th April, 2005 held at Izzatnagar, UP.
2. Delivered a lead talk on "Classification of Leprosy: can serological assays help?" during 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended National Conference on Immunology in Health and Diseases 2006 held at Kanpur, from 11th -12th Jan., 2006 and
 - (a) Delivered an invited lead talk on "Antibody based assay to detect *Mycobacterium leprae* infection: towards a new horizon".
 - (b) Acted as a Chairperson and Co-Chairperson for two different technical sessions on "Immunodiagnosics" and "Infection and Immunity" respectively.
 - (c) Acted as a jury member to select the candidates for Young Scientist Award, Best Oral Presentation Award and Best Poster Presentation Award.
 - (d) Acted as a guest of honor to confer Young Scientist Award, Best Oral Presentation Award, and Best Poster Presentation Award.
4. Attended National Symposium on Recent Trends in Molecular Biology held at Gwalior on 27th - 28th Feb., 2006 and
 - (a) Acted as a Chairperson during a session.
 - (b) Acted as a jury member to select the candidates for "Young Scientist Award for Best Oral Presentation".
 - (c) Delivered a guest lecture on "Detection of *Mycobacterium leprae* DNA for 36kDa protein in urine from leprosy patients".

Dr. Beenu Joshi, Assistant Director

1. Participated in the 'DBT-ICGEB Brainstorming Workshop on Tuberculosis' held at New Delhi from 19th - 21st May, 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.

Dr. Tahziba Hussain, Assistant Director

1. Attended 24th Biennial Conference of IAL held at Agra from 12th -14th Nov., 2005.
2. Attended HIV/AIDS : Reseach Issues Symposium at Bangalore on 10th -11th March, 2006.



3. Attended the International Conference of Opportunistic pathogens in AIDS at New Delhi on 27th March, 2006.

Dr. K.K. Mohanty, Senior Research Officer

Participated in 24th Biennial Conference and CME of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled, “Nitric oxide metabolites, soluble adhesion molecules and Cytokines- During and after subsidence of ENL Reactions”.

Dr. Virendra Kumar, Senior Research Officer

Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled “ Cellular and vascular changes in leprous neuritis: A light and electron microscopic studies”

Dr. Raj Kamal, Research Officer

1. Participated and presented a paper entitled, “Evaluation of the effect of addition of Immunotherapy with *Mw* vaccine to standard chemotherapy in Borderline Leprosy” in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
2. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. Deepa Bisht, Research Officer

1. Participated in the "DBT-ICGEB Brainstorming Workshop on Tuberculosis" held at New Delhi from 19th-21st May, 2005 and presented a paper entitled “Intracellular expression of proteins with mycobacteria: A proteomic analysis”.
2. Participated in the "Group Monitoring Workshop of Life Sciences" under FAST TRACK scheme for Young Scientists held at Bhopal from 29th-30th Oct., 2005.
3. Attended the IAL National CME and Workshop on “Newer Technologies for Patient Care and Epidemiology of Leprosy and other Mycobacterial Diseases held at Agra on 12th Nov., 2005.
4. Attended the 24th Biennial Conference of IAL held at Agra from 13th-14th Nov., 2005 and presented a paper entitled “Comparative protein profile of mycobacterial species by two-dimensional gel electrophoresis”.
5. Attended the International Workshop on "Intellectual Property and Technology Management in Health" held at ICMR, New Delhi on 23rd Jan., 2006 organised by ICMR, New Delhi and Management of Intellectual Property in Health Research and Development, Oxford, UK.
6. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a paper entitled “Variations in mycobacteria by two-dimensional gel electrophoresis”.



Dr. J. K. Chakma, Research Officer

1. Attended the 24th Biennial Conference of IAL held at Agra from 13th-14th Nov., 2005.
2. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. Mamta Arora, Research Officer

Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.

Dr. D. S. Chauhan, Research Officer

1. Participated in XXIX National Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled "Identification and differentiation of mycobacterial species of Kanpur region".
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and gave a lead lecture on, "Microarray : An over view".
3. Delivered a guest lecture in Madurai Kamaraj University on Microarray on 17th Dec., 2005.
4. Participated in the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a paper entitled "Prevalent spoligotypes of *M.tuberculosis* in Kanpur region".

Mr. V. S Yadav, Research Assistant

1. Attended the 24th Biennial Conference of IAL held at Agra from 13th-14th Nov., 2005.
2. Attended the 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. Ram Das, Research Assistant

Participated in 24th Biennial conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a poster entitled "Association between mutations of the streptomycin resistant *rpsL* and *rrs* gene in *M.tuberculosis* in India".

Dr. H.B. Singh, Research Assistant

1. Participated in XXIX National Congress of IAMM held at Chennai from 21th-23th Nov., 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Detection of *M.leprae* by Polymerase Chain Reaction in the biopsies of relapse individuals".
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.



Nirmala Deo, Research Assistant

1. Attended XXIX National Congress of IAMM held at Chennai from 21st- 23rd Oct., 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Mr. Asha Ram Yadav, Research Assistant

1. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Ms. Pragya Sharma, Research Assistant

1. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Prevalent spoligotypes of *Mycobacterium tuberculosis* in Kanpur Region".
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a paper entitled "Genetic Diversity in *M.tuberculosis* isolates from Kanpur region based on Mycobacterial Interspersed Repetitive Units (MIRU-VNTR)".
3. Attended 60th National Conference of Tuberculosis and Chest Diseases held at King George's Medical University, Lucknow from 23rd-26th Feb., 2006 and presented a paper entitled "Efficacy of Spoligotyping and MIRU-VNTR typing in tracing transmission of tuberculosis in rural area of Kanpur."

Dr. Kiran Srivastava, Research Associate

1. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Dr. Deepti Parashar, SRF

1. Participated in XXIX National Congress of IAMM held at Chennai from 21st-23th Nov., 2005 and presented a paper entitled "Identification and differentiation of mycobacterial species of Kanpur region".
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Differentiation of *M.tuberculosis* with other non-chromogenic mycobacterial species by gene amplification-restriction analysis".
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a paper entitled "characterization of mycobacteria isolated from bovines by PRA-targeting *hsp65* gene region".



4. Attended 60th National Conference of Tuberculosis and Chest Diseases held at Lucknow from 23rd-26th Feb., 2006.

Pushpendra Singh, SRF

1. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Pyrazinamide susceptibility testing BacT/Alert 3D system, LJ proportion method and Pyrazinamidase assay" and also presented a poster entitled "Characterization of mutations in *pncA* gene of Pyrazinamide resistant isolates of *M.tuberculosis* by DNA sequencing."
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.
3. Attended 60th Annual Conference of Tuberculosis Association of India held at Lucknow from 23rd-26th Feb., 2006.
4. Selected for National Science Day Symposium on "Life and Works of Prof G.N. Ramachandran" held at Jawaharlal Nehru University, New Delhi on 28th Feb., 2006 based on the article submitted entitled "Triple helical triumph of a pioneer: GN Ramachandran as a gifted Pupil-Scientist-Teacher".

Rahul Sharma, SRF

1. Participated in XXIX National Congress of IAMM at Chennai from 21st-23th Nov., 2005 and presented poster entitled "Use of minisatellite as a molecular marker to study strain variation among *M.leprae*".
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented poster entitled "Development of DNA-Chip for expression array analysis of genes related to metabolism of *M.leprae*".
3. Attended "National Seminar on Biomedical Informatics" held at Sevagram, Wardha, on 9th - 10th Dec., 2005.
4. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Anuj Kumar Gupta, SRF

1. Attended "National Seminar on Biomedical Informatics" held at Sevagram, Wardha on 9th-10th Dec., 2005.
2. Participated in 24th Biennial conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a poster entitled "Studies on functional genomics of drug transporters in *Mycobacterium tuberculosis*".
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.



Gaurav Pratap Singh Jadaun, SRF

1. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled “Study on role of *embB* gene mutations for ethambutol resistance in *Mycobacterium tuberculosis* and *M. avium*”.
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.
3. Attended 60th National Conference of Tuberculosis and Chest Diseases held at Lucknow from 23th-26th Feb., 2006 and presented a paper entitled “Study on detection of *embB* gene mutations in ethambutol-resistance in *Mycobacterium tuberculosis* isolates”.

Itu Singh, SRF

1. Participated in the workshop on “Machine learning techniques in Functional Proteomics” From 18th-21st Oct., 2005 at IMTECH Chandigarh.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISOMCD & IAE held at Agra from 11th-13th Feb., 2006.

Hirawati, SRF

1. Participated in XXIX National Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled “Comparative study of the assessment of sensitivity and specificity of primers targeting RLEP, 18kDa and 36kDa genes of *Mycobacterium leprae* by PCR amplification”.
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled “Assessment of viability of *M. leprae* in skin biopsy of leprosy patients by using 16s rRNA targeting probe”.
3. Participated in 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Mradula Singh, SRF

1. Attended XXIX National Congress of IAMM held at Chennai from 21st-23th Oct., 2005 and presented a paper entitled “Correlation of sensitivity for ofloxacin by conventional MIC method with sequencing in *M. tuberculosis*”.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a paper entitled "Comparative Study of gatifloxacin, sparfloxacin, levofloxacin, ofloxacin and ciprofloxacin against *M. tuberculosis* in Kanpur region”.



4. Attended 60th National Conference of Tuberculosis and Chest Diseases to be held at Lucknow from 23rd-26th Feb., 2006 and presented a paper entitled “*In vitro* susceptibility pattern of quinolones for multi drug resistant isolates for *M.tuberculosis* in Kanpur region”.

Mallika Lavania, SRF

1. Participated in 29th National Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled “Comparative analysis of molecular analysis in the identification of non-tuberculous mycobacteria (NTM) from environment”
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a poster entitled “Molecular typing of strains of *Mycobacterium leprae* based on the polymorphism of TTC repeats for analysis of leprosy transmission”.
3. Participated in 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a poster entitled “Detection of *Mycobacterium leprae* DNA from soil samples by PCR targeting RLEP sequences”.
4. Attended a workshop on 'Non-tuberculosis mycobacteria' held at Wardha from 29th March, 2006.

Gavish Kumar, JRF

1. Participated in the workshop on “Machine learning techniques in Functional Proteomics” held at Chandigarh from 18th - 21st Oct., 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Avnish Kumar, JRF

1. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
2. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Prashant Sharma, JRF

1. Attended XXIX National Congress of IAMM held at Chennai from 21st- 23rd Oct., 2005 and presented a poster entitled "A survey on the prevalence of anti-TB drug resistance in Kanpur District".
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Participated in 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a poster entitled "Comparative analysis of streptomycin susceptible and resistant *M.tb* by Two-Dimensional gel electrophoresis".



Neelja Singhal, JRF

1. Participated in the workshop on "Machine learning techniques in Functional Proteomics" held at Chandigarh. from 18th-21st Oct., 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Participated in 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006 and presented a poster entitled "Comparison of protein precipitation methods for sample preparation prior to proteomic analysis".

Mayank Mittal, JRF

1. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Meera Kashyap, SRF

1. Participated in XXIX National Congress of IAMM held at Chennai from 19th-23th Oct., 2005 and presented a paper entitled "Isolation, identification and typing of environmental members of order actinomycetales using lipid markers and PCR RFLP".
2. Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Differentiation of mycobacterium and nocardia by thin layer chromatography analysis of whole organism methanolysates".
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.
4. Attended a workshop on "Non-tuberculosis mycobacteria" held at Wardha from 29th March, 2006.

Pratibha Singh, Project Assistant

1. Participated in XXIX National Congress of IAMM held at Chennai from 21st-23rd Oct., 2005.
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Prashant Upadhyay, Project Assistant

Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a poster entitled "A survey of prevalence of Anti- TB drug resistance in Kanpur and Agra districts".



Jaya Faujdar, Project Assistant

1. Participated in XXIX National Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled "Comparative studies on rapid PCR based method and conventional AFB culture method in diagnosis of extra pulmonary tuberculosis disease".
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.
3. Attended 6th Joint Annual Conference of ISMOCD & IAE held at Agra from 11th-13th Feb., 2006.

Shilpi Chandra, Project Assistant

1. Participated in XXIX National Conference of IAMM held at Chennai from 21st-23rd Oct., 2005 and presented a paper entitled "Isolation and characterization of *M.tuberculosis* isolates from pulmonary tuberculosis patients of Firozabad district".
2. Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.

Nidhi Chaurasia, Project Assistant

Participated in 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005 and presented a paper entitled "Prevalence of drug resistance in CAT-II pulmonary tuberculosis patients in Ghatampur (Kanpur region)".

Anurag Dubey, Project Assistant

Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.

Shashi Kapoor, Project Assistant

Attended 24th Biennial Conference of IAL held at Agra from 12th-14th Nov., 2005.



5.3 Meetings / Visits / Expertise deliverance

Dr. V.M. Katoch, Director

1. Participated in the meeting on Contract Research at ICMR HQs, New Delhi on 6th April, 2005.
2. Participated in the Scientific Advisory Committee(SAC) meeting of Desert Medicine Research Centre (DMRC), Jodhpur on 14th April, 2005.
3. Participated in 2nd Programme Advisory Committee for National Leprosy Eradication Programme (NLEP) , New Delhi on 19 April, 2005.
4. Attended the SAC meeting of Span Educational Research Foundation at Surat on 24th April, 2005.
5. Attended the Annual General Meeting of Hind Kusth Nivaran Sangh, New Delhi on 2nd May, 2005.
6. Participated in the Editorial meeting of the Indian Journal of Tuberculosis at New Delhi on 2nd May, 2005.
7. Participated in the Selection Committee for Overseas Fellowship at Department of Biotechnology (DBT), New Delhi on 2nd May, 2005.
8. Attended second Meeting of Regional Technical Advisory Group (RTAG) Leprosy, held at SEARO -WHO, New Delhi on 12th & 13th May, 2005.
9. Attended SAC meeting for review of Phase II programme support of Rajiv Gandhi Centre for Biotechnology, Tiruvananthpuram on 14th & 15th May, 2005.
10. Participated in SAC meeting of CDFD, Hyderabad on 16th & 17th May, 2005.
11. Participated in TB meeting sponsored by DBT at ICGEB, New Delhi on 19th May, 2005.
12. Attended Selection committee meeting at ICMR HQs, New Delhi on 25th May, 2005.
13. Participated in Life Science Board meeting of DRDO at Gwalior on 6th May, 2005.
14. Participated in Scientific Committee meeting of Ranbaxy conference at New Delhi on 11th June, 2005.
15. Chaired Research Committee Meeting of The Leprosy Mission (TLM) on 11th June, 2005.
16. Participated in Task Force meeting on Medical Biotechnology of DBT, New Delhi on 24th June, 2005.



17. Participated in Project Review Committee (PRC) of ICMR on Tuberculosis at ICMR HQs, New Delhi on 8th July, 2005.
18. Participated in meeting on New Generation Vaccine at DBT, New Delhi on 12th July, 2005.
19. Attended SAC meeting of Rajiv Gandhi Centre for Biotechnology on 31st July, 2005.
20. Attended Doctoral committee meeting at AIIMS, New Delhi on 2nd Aug., 2005.
21. Participated in Expert Committee meeting on TB at CDRI, Lucknow on 5th Aug., 2005.
22. Participated in Global Health Forum meeting at Mumbai on 12th & 13th Sept., 2005.
23. Participated in an Indo-French meeting at ICMR HQs on 5th Oct., 2005.
24. Attended Indo French Meeting at ICMR-HQs, New Delhi on 21st Oct., 2005.
25. Attended SAC meeting of Institute of Pathology, New Delhi on 4th Nov., 2005.
26. Participated in Small Business Innovation Research Initiative (SBIRI) meeting at DBT, New Delhi on 16th Nov., 2005.
27. Attended SBIRI meeting of DBT on 13th Dec., 2005.
28. Participated in Contract Research meeting at ICMR HQs, New Delhi on 13th Dec., 2006.
29. Attended Indo French Meeting at ICMR-HQs New Delhi on 18th Dec., 2005.
30. Participated in Expert Group Meeting on Extramural Research in 11th Plan in TB and Leprosy at ICMR Headquarters, New Delhi 31st Jan., 2006.
31. Participated in the review meeting of the INFIR study at The Leprosy Mission (TLM), New Delhi on 2nd Feb., 2006.
32. Participated in coordination meeting of multicentric ICMR viability project at Miraj on 15th Feb., 2006.
33. Participated Expert Committee meeting of Recruitment Assessment Committee (RAC) at DRDO, New Delhi on 23rd Feb., 2006.
34. Attended ICMR Task Force meeting on Leprosy 29th March, 2006 at ICMR, HQs New Delhi.

Dr. G.N. Malaviya, Deputy Director (SG)

Delivered invited lecture entitled "Role of surgery in management of leprosy affected persons" at Agra IMA-NJIL meeting, on 30th Jan., 2006.



Dr (Mrs) Kiran Katoch, Deputy Director (SG)

Attended the 7th meeting of the WHO Technical Advisory group on Elimination of leprosy, Geneva, 4th -5th April, 2005 as a member of the Group.

Dr. Anil Kumar, Deputy Director (SG)

Was invited by Netherlands Leprosy Relief (Amsterdam, Netherlands 4th-5th April, 2005) to act as a member to standardize data base software for leprosy patients.

Dr. K. Venkatesan, Deputy Director

1. Acted as an External Examiner for students of B.Sc. Biochemistry (II year) Practical Examination at Jhunjhunwala Degree College, RML Avadh University, Faizabad on 15th May, 2005.
2. Acted as External Examiner for M.Sc.(Biotechnology) Practical Examination at Jiwaji University and BIMR College, Gwalior.
3. Acted as External Examiner for first professional M.B.B.S. biochemistry practical examination at S.N. Medical College, Agra and Subharti Medical College Meerut.
4. Acted as External Examiner for M.V.Sc. and Ph.D. examinations at IVRI, Izzatnagar, UP.
5. Acted as External Examiner for M.Sc.(Biotechnology) Practical Examination at Jammu University, Jammu, in June, 2005.
6. Acted as an External Expert in the meeting for Selection of Scientist(s), held at DRDE, Gwalior. on 23th-25th Jan., 2006.

Dr. U.D. Gupta, Deputy Director

1. Visited Apex Institute of Science and Management Jaipur on 8th May, 2005 for M.Sc. Biotechnology Examinations.
2. Visited Bhind on 17th July, 2005 for M.Sc. (Biotech) Practical Examination.
3. Visited Sophia College, Gwalior on 12th July, 2005 for M.Sc. (Biotech) Practical Examination.
4. Visited IVRI, Izatnagar on 7th Sept., 2005 and delivered a lecture on “GLP requirements for maintenance of laboratory animals for disease diagnosis” for participants of training programme “ISO Certification of Veterinary Diagnostic Laboratories.”
5. Visited Department of Biotechnology, MKU Madurai on 19th Dec., 2005 to attend a meeting for construction of new Animal House Building.



6. Visited Department of Microbial and Molecular Pathogenesis The Texas A&M University System Health Science Center, College Station Tx 77843-1114, United States from 16th Jan., to 1st Feb., 2006 for training in BSL- III procedures.
7. Visited Jiwaji University, Gwalior on 16th Feb., 2006 for M.Sc. Biotechnology Examination.
8. Visited Govt. P.G. College, Guna from 27th - 28th Feb., 2006 for M.Sc. Biotechnology Examinations.

Dr. Om Parkash, Assistant Director

1. Acted as an editor of “Journal of Immunology and Immunopathology” an official Publication of Society for Immunology and Immunopathology (SIIP), India.
2. Invited to act as a reviewer for the “Journal of Occupational Medicine and Toxicology” (an International Journal) for an article “Persistently elevated T cell interferon-gamma responses after treatment for latent tuberculosis infection among health care workers in India: a preliminary report.”
3. Acted as a paper setter and examiner for theory (Clinical Immunology; and Fundamentals of infection and Immunity) for M.Sc. classes at Jiwaji University, Gwalior.
4. Acted as a paper setter in June 2005 examination for paper entitled “Comparative immunology” for Post Graduate Classes at IVRI, Izzatnagar, Bareilly.
5. Acted as an examiner on 25th July, 2005 for practical for M.Sc. (Applied Biochemistry) classes at BIMR College, Gwalior.
6. Acted as an examiner on 30th July, 2005 for Practical for Advances in Molecular Immunology (VIM-706) at IVRI, Izzatnagar, Bareilly. Also acted as a theory examiner for Molecular Immunology (VIM-705) course at IVRI, Izzatnagar, Bareilly.
7. Acted as an examiner on 9th Aug., 2005 for practical for M.Sc. (Microbiology) classes at J C Mills Girls College, Gwalior.
8. Acted as a visiting faculty to deliver lectures on “Immunology, Chromatography and Electrophoresis” from 7th- 8th Oct., 2005 for M.Sc. (Microbiology) students, Barkatullah University, Bhopal.
9. Acted as an examiner for Immunology for M.Sc. (Biotechnology) at Dr. H. S. Gaur University, Sagar, MP. and M.Sc. Biochemistry at A.P.S. University, Rewa, MP.



10. Acted as an examiner on 23rd Jan., 2006 for practical for M.Sc. (Applied Microbiology) classes at Cancer Hospital College, Gwalior.
11. Acted as an examiner on 28th Jan., 2006 for practical for M.Sc. (Microbiology) classes at Boston College, Gwalior.
12. Acted as an examiner for a Ph.D. Thesis in faculty of Medical Biochemistry from G.R. Medical College Gwalior, Jiwaji University, Gwalior.

Dr. Beenu Joshi, Assistant Director

1. Acted as External examiner for practical and *viva voce* examinations of M.Sc. (Biochemistry) III semester and M.Sc. (Biotechnology) I semester students of Jiwaji University, Gwalior.
2. Acted as External examiner for M.Sc. (Biochemistry) final year and B.Sc. Voc. Biotechnology students of Dr. B.R. Ambedkar University, Agra.



5.4. Awards and Honours

Dr. V.M. Katoch, Director

1. Elected as a Fellow of National Academy of Medical Sciences 2005.
2. Elected as President of Indian Association of Leprologists (IAL) for the term 2005-2007.

Dr. G. N. Malaviya, Deputy Director (SG)

Elected as Central Council member of IAL for the term 2005-2007.

Dr. K. Venkatesan, Deputy Director

Elected as Hony. Secretary of IAL for the term 2005-2007.

Dr. M. Natrajan, Deputy Director

Elected as Treasurer of IAL for the term 2005-2007.

Dr. Deepa Bisht, Research Officer

Received Best Poster Award for the presentation entitled "Variations in mycobacteria by two-dimensional gel electrophoresis" at 6th Joint Annual Conference of ISMOCD & IAE held at Agra during 11-13th Feb., 2006.

Dr. Virendra Kumar Sharma, Sr. Research Officer

Received best poster award in 24th Biennial conference of the IAL held at Agra on 12th- 14th Nov., 2005 for his paper entitled "Cellular and vascular changes in leprosy neuritis: a light and electron microscopic studies".

Dr. Raj Kamal, Research Officer

Received Best Poster Award in 24th Biennial conference of the IAL held at Agra from 12th- 14th Nov., 2005 for his paper entitled "Evaluation of the effect of addition of immunotherapy with *Mw* vaccine to standard chemotherapy in Borderline Leprosy."

