Publications:

International

1. Madkaikar M, Ghosh K
   Immunotherapy in Benzene-Induced Aplastic Anemia using a Biotherapeutic Approach- Is it Durable?

2. Malay B. Mukherjee, Reema R. Surve, Raman R. Gangakhedkar, Kanjaksha Ghosh,
   Roshan B. Colah, and Dipika Mohanty.
   β-Globin Gene Cluster Haplotypes Linked to the βs Gene in Western India.
   Hemoglobin 2004 May; 28(2): 157-61

3. Shrimati Shetty, Kanjaksha Ghosh, Dipika Mohanty
   Major Disorganization of Factor VIII Gene as a Cause of Severe Hemophilia A in Indian Patients.
   Am J Hematol 2004 May; 76(1): 96

4. U Shankarkumar, RM Pitchappan, SV Pethaperumal
   HLA associations in hypertrophic cardiomyopathy patients from South India.

5. Kedar PS, Colah RB, Ghosh K, Mohanty D.
   Hereditary spherocytosis in association with severe G6PD deficiency : report of an Unusual case.
   Clin Chim Acta. 2004 June; 344 (1-2): 221-4

   An Interpay of alleviating mutations in clinical presentation of thalassemia intermedia.

Use of Immunofluorescence and Confocal Laser Scanning Microscopy in Identifying Rare Cases of Anti-Neutrophil Cytoplasmic Antibodies (ANCA) Showing Dual Specificities to Myeloperoxidase and Proteinase3.

8. Trasi SA, Pathare AV, Shetty SD, Ghosh K, Salvi V, Mohanty D
The Spectrum of bleeding disorders in Women with menorrhagia: a report from Western India.

9. K Ghosh
Management of Haemophilia and its Complications in developing countries.

10. Ghosh K, Shetty S, Mohanty D.
Inversion of Intron 1 is a rare cause of severe hemophilia A in Indian population.

11. Umapathy Shankarkumar and Balakrisnan Sridharan
HLA DRB1* and DQB1* Allelic Diversity Among Nadars: A Primitive South Indian Dravidian Caste Group.

12. Sukumar S, Mukherjee MB, Colah RB, Mohanty D.
Molecular basis of G6PD deficiency in India.

Impact of β globin gene mutation on the clinical phenotype of β thalassemia in India.

15. U. Shankarkumar.
HLA-A, -B and -Cw allele frequencies in a Maratha population from Mumbai, India: Mumbai Marathas.

HLA-A, -B and -Cw allele frequencies in a Nadar population from Tamil Nadu, India.

17. U. Shankarkumar.
HLA-A, -B and -Cw allele frequencies in a Bhil population from Western India.

18. U. Shankarkumar.
HLA-A, -B and -Cw allele frequencies in a Parsi population from Western India.

Autoantibodies and HLA associations in leprosy patients from Mumbai

20. Ghosh K
Bone marrow examination in obese patients: CAT or not to CAT!

Prenatal diagnosis in a family at risk of β thalassemia and hemophilia A – an uncommon association.

Prenatal diagnosis in a family at risk of β thalassemia and hemophilia A – an uncommon association.

Masking of the clinical severity of Severe Hemophilia A in a patient with β Thalassemia Major – its implication in prenatal diagnosis.

24. Khatua S, Nair CN, Ghosh K
Immune-mediated thrombocytopenia following dactinomycin therapy in a child with alveolar rhabdomyosarcoma: the unresolved issues.

25. Ghosh K, Shetty S
Anticoagulation in haemophilia patients with prosthetic valve replacement.

A novel Ser123Pro substitution in the MIDAS domain of integrin 3 associated with variant Glanzmann’s thrombasthenia in an Indian patient.

Frequency distribution of human platelet antigens in the Indian population.

Human leukocyte antigen allele associations in type-1 autoimmune hepatitis patients from western India.

29. Manoj K Das, Shiv Shankar Singh, Tridibes Adak, K Vasantha, and Dipika Mohanty
The Duffy Blood Groups of Jarawas- the primitive and vanishing tribe of Andaman and Nicobar.

Congenital Methemoglobinemia caused by Hb-M Ratnagiri (β – 63 CAT → TAT, His → Tyr) in an Indian family.

31. Nair S, Ghosh K, Shetty S, Mohanty D.
Mutations in GPIIIa molecule as a cause for Glanzmann thrombasthenia in Indian patients.

Co-existence of Bernard Soulier syndrome and factor XI deficiency in a family:
A unified pathology?
National

Molecular cytogenetic evaluation of Xq deletion mosaicism in a case of primary amenorrhea.

2. U Shankarkumar
No More Leprosy.
The Free Press Journal (Health & Teen) 2004 April; 75(165):19. newspaper

3. U Shankarkumar
The Human leukocyte antigen (HLA) system.
Intl J Hum Genet. 2004 June; 4(2):91-103 review

4. U Shankarkumar
Diversity among selected caste and tribal groups of Western India: origin, HLA and disease associations.
Intl J Hum Genet 2004 June; 4(2):105-110

5. B Sridharan, U Shankarkumar
HLA antigens in Nadars, a native dravidian caste group of Tamil Nadu, South India.

Autoimmune studies and HLA associations in SLE patients from Mumbai.

7. JP Devaraj, U Shankarkumar.
HLA antigen and haplotype frequencies in renal transplant recipients and donors of Maharashtra (Western India).

8. Mohanty D, Mukherjee MB, Colah RB.
Glucose-6 phosphate dehydrogenase deficiency in India.

9. M.B. Mukherjee, R.R. Gangakhedkar
Physical growth of children with sickle cell disease.

Anti-neutrophil Cytoplasmic Antibodies (ANCA) in Systemic Lupus Erythematosus: Prevalence, Clinical Associations and Correlation with Other Autoantibodies.
JAPI 2004 July, 52: 533-537.

Thrombophilia in coronary artery disease: A double jeopardy.

12. Pradhan VD, Badakere SS, Ghosh K, Pawar AR.
Spectrum of Anti-neutrophil cytoplasmic antibodies in patients with Pulmonary Tuberculosis overlap with that of Wegener’s Granulomatosis.

Human Platelet Specific Antigens and their Importance.
Absence of HLA B*46 in Indian Population: Could it Be the Cause for Protection from SARS Epidemic?
JAPI 2004 Sept; 52(9): 760-1.

Combination of thrombophilia markers in acute myocardial infarction of the young.

16. Sucheta Trasi, Kanjaksha Ghosh, Shrimati Shetty, Dipika Mohanty
Von Willebrand disease: a laboratory approach.

Papers accepted for the Publications:

Thrombophilia in cardiovascular disease – a review.
Ind J Cardiol (accepted)

Prenatal Diagnosis (accepted)

Molecular diversity of HLA Cw among Maratha community from Mumbai, Maharashtra, Western India.
International Journal of Immunogenetics (accepted)

Smita S.K, Bharati A.M. Ramesh S. Paranjape.
Analysis of HIV-1 specific T cell response and recognition of subtype specific and Cross-clade epitopes in Indian patients infected with HIV-1 subtype C: implications for vaccine design.
Journal of Infectious diseases(accepted)

5. S.R. Konkankar and U. Shankarkumar
HLA DRB1 Gene study in different population groups from Mumbai, Maharashtra, India.
Intl. J Hum Genet (accepted)

Conference/Meetings/Workshops attended:

International :

1. Mr. Prabhakar Kedar, Technical Officer awarded JSPS RONPAKU fellowship by Japan Society for the promotion of science, Tokyo, Japan for the year 2004.

2. Dr. D. Mohanty participated in regional Thalassemia workshop organized by WHO conference on Genetics and population health held at Australia from 8th to 10th Aug 2004.

3. Dr. D. Mohanty, EMS and Officer Incharge, Dr. K. Ghosh, Deputy Director, Dr. Shrimati Shetty, Research Officer, attended World Hemophilia Congress held at Bangkok, Thailand from 17th to 21st Oct, 2004 and presented the following papers.

Management of Hemophilia in developing countries- Dr.K. Ghosh.
Molecular characterization of Glanzamanns thrombasthenia from Western India- Dr.K.Ghosh
Mutations in rare coagulation factor deficiency cases from India - Dr. D.Mohanty
Linkage disequilibrium between BCl 1 and Hind III markers in Hemophilia A families -Dr. S.Shetty
4. Dr K. Vasantha, Asst Director, Dr. Anita Nadkarni, Research Officer, Dr. Swati Kulkarni, Technical Officer attended the annual scientific meeting of Australian and Newzealand Society of Blood transfusion held at Melbourne, Australia, from 17\textsuperscript{th} to 20\textsuperscript{th} Oct, 2004. The following papers were presented in the conference.

Molecular characterization of \( FUT1 \) (H) gene in Bombay phenotype detected in India- Dr. K. Vasantha.

Foetal loss due to anti-Hro in a lady having a rare genotype of \( Rh \) (D--/D--) – Dr. K. Vasantha.

Molecular characterization of thalassemia and HPFH in the Indian population - Dr. Anita Nadkarni.

The quantitation of D antigenic sites in partial D and weak D variants by flow cytometry. - Dr. Swati Kulkarni

Molecular characterization of partial D variants in India - Dr. Swati Kulkarni

5. Dr. D. Mohanty participated in the Indo-German Seminar on Bioethics held at Essen, Germany from 15\textsuperscript{th} to 17\textsuperscript{th} Nov, 2004 and delivered a lecture on “Stem Cell Research”.

**National**

1. Dr. D. Mohanty attended the meeting of Jai Vigyan Phase II at Raipur, on 16\textsuperscript{th} April 2004.

2. Dr. Roshan Colah, Assistant Director was invited to give talk on “Prenatal Diagnosis for prevention of Thalassaemia” at the seminar on “Prevention of birth of a thalassemia major child” for gynaecologists and pediatricians organized by Thalassemia foundation, Ulhasnagar as a part of International Thalassemia Day celebration on 9\textsuperscript{th} May 2004.

3. Dr. D. Mohanty, Emeritus Scientist and Officer Incharge attended the Viva of MD medicine examination as a external examiner at SGPGIMS, Lucknow on 19\textsuperscript{th} May 2004.
4. Dr. Roshan Colah attended the investigators meeting of the North East project ‘Incidence and molecular characterization of G6PD deficiency at Institute from 1\textsuperscript{st} to 2\textsuperscript{nd} June 2004.

5. Dr. Roshan Colah organized workshop on “Screening for Thalassemia for laboratory technicians from Jabalpur, Raipur and Patna as a part of the W.H.O. ICMR Project on community control programme for Thalassemia” at Institute from 14\textsuperscript{th} to 18\textsuperscript{th} June 2004.

6. Dr. D. Mohanty attended seminar on “Pediatric Haematology – Oncology” organized by Indian Academy of Pediatrics and chaired the session on “Advances on management of Hemophilics” on 20\textsuperscript{th} June 2004.

7. Dr. D. Mohanty attended the DBT task force meeting on stem cell ethics at New Delhi, from 5\textsuperscript{th} to 6\textsuperscript{th} July 2004.

8. Dr. D. Mohanty attended the DBT task force meeting on Human Genome held at New Delhi from 28\textsuperscript{th} to 29\textsuperscript{th} Aug 2004.

9. Dr. D. Mohanty, Dr.V.Babu Rao, Research Officer attended the “International conference on Human Genome Update” at Hyderabad from 28\textsuperscript{th} to 30\textsuperscript{th} Aug 2004 and presented the following papers at the conference:
   Dr. D. Mohanty: Molecular basis of G6PD deficiency in India.
   Dr. V.Babu Rao. Spectrum of chromosomal abnormalities in myelodysplastic syndrome from India.

10. Dr. Roshan Colah Deputy Director & Dr. Ajit Gorakshakar, Sr. Research Officer attended the NIH Grandmanship workshop at Reliance Life Sciences, sponsored by DBT from 15\textsuperscript{th} to 16\textsuperscript{th} Sept, 2004

11. Dr. D.Mohanty attended the ISBT National Conference at Chennai from 23\textsuperscript{rd} to 25\textsuperscript{th} Sept, 2004.
12. Dr. Roshan Colah organized a WHO-ICMR workshop on Haemoglobinopathies at Raipur for Medical Officers and Technicians from Chatisgarh from 29th to 31st Oct 2004 and the following lectures were delivered during workshop:
- Quality assurance in Haemoglobinopathies. – Dr. Roshan Colah
- Techniques of identification of haemoglobinopathies.–Dr. Ajit Gorakshakar

13. Dr. Y.S. Iyer, Asst. Director, attended the 45th Annual conference of the Indian Society of Haematology and Transfusion Medicine held at Vellore from 18-20 Nov 2004 and presented a paper on “Monoclonal antibody to H antigen”.

14. Dr. D.Mohanty, Dr. K. Ghosh, Dr. K. Vasanta, Dr.Y.S.Iyer, Dr. Shrimati Shetty and Dr. Swati Kulkarni attended the ISHTM Conference held at Christian Medical College, Vellore from 19th – 21st Nov, 2004 and presented the following papers:
- Atherosclerosis to blood coagulation - Dr. D.Mohanty
- Thrombophilia work up - Dr.K. Ghosh
- Monoclonal antibody to H antigen - Dr.Y.S.Iyer
- Rh alloantibodies of uncommon occurrence in a multitransfused patient- Dr.K.Vasantha
- Molecular genetics of hereditary bleeding disorders from India - Dr.S.Shetty
- Study of partial D variants with commercial anti-D reagents- Dr. Swati Kulkarni

15. Dr. D. Mohanty and Dr. Roshan Colah attended Indo-French Symposium on “Recent Trends in Clinical Diagnostic and Research aspects of hemoglobinopathies at Cochin from 21st to 24th Nov, 2004 and the following lectures were delivered at the symposium:
- Prevention, Strategies - The Indian Scenario -Dr. D.Mohanty
- Sickle cell Disease in India - Dr. Roshan Colah

16. Dr. D. Mohanty and staff attended a seminar on “gene expression studies” organized by Ocium Biosolutions and Genome explorations at Juhu, Mumbai on 2nd Dec, 2004.

17. Dr.A.C.Gorakshakar attended the CME in “Laboratory Hematology” as a faculty
Member organized by T.N. Medical College, Mumbai from 4\textsuperscript{th} to 5\textsuperscript{th} Dec, 2004 and delivered a lecture on “Hemoglobin Electrophoresis – Practical aspects”.

18. Dr. D. Mohanty attended the Stem Cell Task Force meeting at DBT, New Delhi, from 15\textsuperscript{th} to 16\textsuperscript{th} Dec, 2004.

19. Dr. D Mohanty attended the Indian Science Congress organized by DBT, at Ahmedabad on 6\textsuperscript{th} Jan. 2005.

20. Dr. D Mohanty attended meeting on Stem Cells at ICMR, New Delhi on 8\textsuperscript{th} Jan. 2005.

21. Dr. D. Mohanty attended a Stem Cell Task Force meeting at PGIMER, Chandigarh from 29-30\textsuperscript{th} Jan.2005.

22. Dr. D Mohanty organized a meeting with DBT and Ministry of Health, Govt. of Orissa, at Bhubaneshwar from 2\textsuperscript{nd} to 3\textsuperscript{rd} Feb. 2005.

23. Dr. D Mohanty attended the meeting of Ministry of Science & Technology and presented a project at Bhubaneshwar from 11\textsuperscript{th} to 13\textsuperscript{th} Feb. 2005.

24. Dr. Roshan Colah, Deputy Director attended the final meeting of Jai Vigyan S & T Mission project on Community Control of Thalassemia was organized at Hotel Hiltop, Mumbai on 23\textsuperscript{rd} Feb 2005. The work completed at the six collaborative centers in the multicentric project was presented and discussed by the Investigators.

25. Dr. D. Mohanty attended the Human Genome Task Force meeting at DBT, New Delhi 1\textsuperscript{st} to 2\textsuperscript{nd} March, 2005.

26. Dr. Mohanty, Dr. K.Ghosh, Dr. Y.S.Iyer, Dr. V.Babu Rao attended the 29\textsuperscript{th} annual conference of Mumbai Hematology group held at Tata Memorial Hospital, Mumbai from 18\textsuperscript{th}-20\textsuperscript{th} March, 2005.