

Evaluative Report of the Department of Pathology

1. **Name of the Department:** **Department of Pathology,
Institute of Medical Sciences
Banaras Hindu University,
Varanasi – 221 005**

2. Year of establishment: **1961**

3. Is the Department part of a School/ Faculty of the university? :
Yes, part Of Institute Of Medical Sciences, Banaras Hindu University, VARANASI

4. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated masters, Integrated Ph.D. etc.)
 - Department of Pathology is teaching M.B.B.S. student (IInd Professional),
 - M.D. Pathology,
 - PGDMLT and
 - Ph.D. students.
 - M.D./M.S. (Ayurveda),

5. Interdisciplinary courses and departments involved:

Department is doing interdisciplinary teaching of DM / MCh & PhD courses in collaboration with various Departments of Medical and Surgical specialties of Institute of Medical Sciences as well as discipline of basic sciences (Zoology, Molecular Genetics / Human Genetics)

6. Courses in collaboration with other universities, industries, foreign institutions etc.:

NIL

7. Details of programmes/ courses discontinued, if any, with reasons:

NIL

8. Annual/ Semester/ Choice Based Credit System:

In accordance of MCI Guidelines

9. Participation of the department in the courses offered by other departments:

MD/MS
DM/MCh
BDS
MD/ MS (Ayurveda)

10. Number of teaching posts sanctioned and filled (Professors/ Associate Professors/ Asstt. Professors).

	Sanctioned	Filled
Professor	3	NIL
Associate Professors	7	6*
Asstt. Professors	7	3

* 4 Associate Professors (Readers) are promoted to Professor on personal Promotion

11. Faculty profile with name, qualification, designation and specialization (D.Sc./ D.lit/ Ph.D./ M. Phil etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. Usha	M.D. (Pathology)	Professor & Head	Immunopathology	35	Three (3)
Prof. N.C. Aryya	M.D. (Pathology), Ph.D.	Professor	Histopathology & Cytopathology	35	NIL
Prof. Mohan Kumar	M.D. (Pathology)	Professor	Histopathology & Cytopathology	32	NIL
Prof. Jyoti Shukla	M.D. (Pathology)	Professor	Hematopathology	30	NIL
Dr. Vijai Tilak	M.D. (Pathology)	Assoc. Professor	Hematopathology	12	NIL
Dr. Amrita G. Kar	M.D. (Pathology)	Assoc. Professor	Histopathology & Cytopathology	11	NIL
Dr. Sandip Kumar	M.D. (Pathology)	Asstt. Professor	Hematopathology	3	NIL
Dr. Sashi Kant CU Patne	M.D. (Pathology)	Asstt. Professor	Histopathology & Cytopathology	2.5	NIL
Dr. Neeraj Dhameja	M.D. (Pathology)	Asstt. Professor	Histopathology & Cytopathology	2.5	NIL

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors. :

NOT APPLICABLE

13. Percentage of classes taken by temporary faculty - programme-wise information

NOT APPLICABLE

14. Programme-wise Student Teacher Ratio

MBBS (Information is with Institute) 9.1:1

MD 3.5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

	Sanctioned	Filled
Technical Staff STA TA JLA	28	16
Administrative (Ministerial staff)	Sanctioned	Filled
Sr. Clerk	02	02
Peon	01	01

16. Research thrust areas recognized by funding agencies.
17. Number of faculty with ongoing projects from (a) national (b) international funding agencies and (c) Total grants received. Give the name of the funding agencies and grants received project wise.

Name of Faculty	National funding agency	International funding agency	Total grant received
Dr Usha Principle Investigator	ICMR Topic Study of anticyclic citrullinated peptide antibodies in rheumatoid arthritis and other systemic diseases and its correlation with HLA Class II antigen and rheumatoid factor by different method and clinical features Duration (2007-2011)	None	16Lacs
Prof. Mohan Kumar, Co-PI	<p>Funding Agency : ICMR, New, Delhi</p> <p>1. Expression of Tumour Necrosis Factor and Interleukins in Hepatobiliary Tract Cancers. P.I. : Dr. Manoj Pandey, Deptt. Of Surgical Oncology, IMS</p> <p>Funding Agency : DST, New, Delhi</p> <p>2. The influence of Psychosocial factors on the immune system (*psychoneuroimmunology) and their role for the incidence and progression of head and neck cancer. P.I. : Dr. Manoj Pandey, Deptt. Of Surgical Oncology, IMS</p> <p>Funding Agency : ICMR, New, Delhi</p> <p>3. Title of Project: Inhibitors of Apoptotic Proteins in Breast Cancer Grant: 14 Lakhs</p> <p>4. Title of Project: Development of New Herbal Formulation from the leaves of Cinamona Funding Agency : CSIR, New, Delhi</p> <p>5. Title of Project: Cell Cycle Regulator and H. Pylori in gastic Carcinoma. Funding Agency : DBT, July 2010 Grant: 3139000/- for three years</p> <p>6. Title of Project: Study of Prevalence and healing effect of aegle marmelsas Terminalia chebula and Azadirachta indica on on experimental model of ulcerative colitis in rates. Funding Agency : CCRAS Grant: 2178550/-</p>		
Dr Manoj Paswan	Funding Agency : BHU		Rs.96,0000

18. Inter-institutional collaborative projects and grants received.

NONE

19. Departmental projects funded by DST-FIST, UGC-SAP/CAS, DPE, DBT, ICSSR ETC., total grants received.

			Total grant received
	UGC, Advanced Immunodiagnostic research and training center		R/Ac. Rs 2.20 lakhs/year

20. Research facility/ centre with

UGC Advanced Immunodiagnostic and Research Center : **National Recognition**

- State recognition
- National recognition
- International recognition

21. Special research laboratories sponsored by/ created by industry or corporate bodies.

NONE

22. Publications:

- Number of papers published in peer reviewed journals national/ international) 137 (2008 onwards)
- Monographs None
- Chapters in Books 2 chapters
- Edited Books None
- Books with ISBN with details of publishers None
- Number listed in International Database (Fir e.g. Web of Sciences, Scopus, Humanities International Complete, Dare Database - International Social Sceiences Directory, EBSCO host etc.)
- Citation Index - range /average
- SNIP
- SJR
- Impact Factor - range/ average
- h-index

PUBLICATIONS OF DEPARTMENT OF PATHOLOGY (208 ONWARDS)

1. Shukla J., Patni S.C.U., Singh N.K., **Usha** : Simultaneous appearance of dual malignancies of hematopoietic system. Multiple myeloma, and acute myeloid leukemia. Ind J. Pathol & Microbiol. 2008 51 (1): 118-120. **I.F.-0.57**
2. Sonkar G.K., **Usha**, Singh S.: Is HLA B27 a useful test in the diagnosis of Spondyloarthropathies? Singapore Medical Journal. 2008; 49(10): 795-799. **I.F.0.73**

3. Sonkar G.K., **Usha**, Singh R.G.: A preliminary study on the significant value of beta 2 microglobulin over serum creatinine in renal transplantation rejection and renal failure. Singapore Medical Journal. 2008, 49(10) 786-789. **I.F.0.73**
4. **Usha**, Kumar S., Singh R.G., Tapas S., Prakash J., Garbyal R.S.: Mesangioproliferative glomerulonephritis : An important glomerulonephritis in patients of nephrotic syndrome of young adults. The Indian J. Pathol & Microbial 2008: ST(3) : 329-336. **I.F.0.57**
5. Bajpai R., Sharma N.K., Rai A.K., **Usha**: Hepatomegaly and phytotoxicity of a planktonic cyanobacterium Nostoc sp BHU 001 isolated from agricultural pond world. J. Microbiol Biotechnol 2009. 00110.1007/s11274-009-0100-9. **I.F.1.262**
6. Sonkar G.K., **Usha**, Singh R.G.: Evaluation of serum tumour necrosis factor α and its correlation with histology in chronic Kidney disease, stable renal transplant and rejection cases. Saudi Journal of Kidney diseases and transplantation 2009, 20(6):1000-1004. **I.F.12**
7. Singh S., Sonkar G.K., **Singh U.**: Association of Various inflammatory diseases with human leukocyte antigen. B27, B7, Bw4, Bw6 in patients with SSA: Rheumatology International. 2009; 29(9):1013-1016. **I.F.1.89**
8. Singh S., **Singh U.**, Singh S.: Study of serum Complement C3, C4 and Immunoglobulins IgG, IgA, IgM in Psoriasis patients in India. The Indian Journal of Allergy, Asthma and Immunology. 2009; 32(2): 73 - 77. **I.F.- Not Available**
9. Singh S., **Usha**, Pandey S.S.: Role of autoimmunity in vitiligo. Indian J Allergy & Asthma Immunol. 2009; 23(2): 67-71. **I.F. - Not Available**
10. Prakash J., Mandal A.K., Vohra R., Wani I.A., Hota J.K., Raja R., **Singh Usha** : Renal disease is a prodrome of multiple myeloma : An analysis of 50 patients from eastern India. Renal Failure. 2009; 31(4): 267-271 [Article No. P11 911 580045. DOI 10: 1080/08860220902779822]. **I.F. 0.84**
11. Singh S., **Singh U.**, Singh S. Prevalence of autoantibodies in patients of Psoriasis. In Journal of Clinical Laboratory Analysis. 2010; 24: 44–48 [DOI 10.1002/jcla.20365]. **I.F. 1.356**
12. **Singh U.**, Vishwanath A., Verma P.K., Singh N.K., Shukla R.C., Singh S., Singh S., Sonkar G.K. Is rheumatoid factor still a superior test for the diagnosis of rheumatoid arthritis? Rheumatology International. DOI 10.1007/s00296-009-1338-0, 2010. **I.F. 1.89**
13. Singh S., **Singh U.**: Induction of psoriasis and koebner's phenomenon. Journal of Dermatology. [DOI: 10.1111/j.1346-8138.2009.00767.x]. **I.F.1.765**
14. **Singh U.**, Singh S., Singh N.K., Verma P.K., Singh S.: Anticyclic citrullinated peptide autoantibodies in systemic lupus erythematosus. Rheumatology International [DOI: 10.1007/s00296-010-1374-9], 2010. **I.F. 1.89**
15. **Singh U.**, Pramod Kumar Verma, Bhagat P., Singh S., Singh S., Singh N.K.: IgG RF and anti-CCP2 antibody can be positive in undifferentiated arthritis due to streptococcal infection, hepatitis B virus, tuberculosis, trauma and hypothyroidism: a preliminary study Rheumatology International [DOI 10.1007/s00296-011-1985-9]. **I.F. 1.89**
16. Singh S., Sonkar G.K., **Singh U.**: Coexistence of ankylosing spondylitis and systemic lupus erythematosus. J Clin Med Asso. 2010; 73(5): 260-261. **I.F. - Not Available**

17. Tewari M., Pradhan S., **Usha** et al. : Assessment of Predictive and markers of response to neoadjuvant chemotherapy in breast cancer. Asian Journal of Surgery 2010, 53(4): 157-167, DOI10.1016/51015-9584(11) 60001-8, Oct., 2010. **I.F. 0.57**
18. Singh R.G., Rathore S.S., Kumar R., **Usha**, Agarwal A., Dubey G.P.: Nephroprotective role of Salacia Chinensis in Diabetic CKD patients. Indian Journal of Medical Sciences. 2010; 64(8): 378-384. **I.F. 1.67**
19. Singh S., **Singh U.**: Is vitiligo affecting mental stress? A case study. Indian Journal of Research Anvikshiki-Bimonthly International Journal of all research. 2010; 4(2): 12-15. **I.F. 1.47**
20. Sonkar G.K., **Usha** & Singh R.G.: Study on the humoral immunity in renal transplant rejections and its correlation with histopathological finding. Saudi J Kidney Dis & Transplant. 2011; 22(5): 901-910. **H. index – 12, IF- NA**
21. **Singh U.**, Singh R.G., Singh S., Singh S.: Plasma endothelin levels in hypertension and diabetes mellitus. Medical Care Studies. 2011; Vol2(6): p50-53. **I.F. - Not Available**
22. Prakash J., Behura S.K., Ghosh B., Singh S., **Usha**: Renal amyloidosis : A rare presenting manifestation of Hodgkin's disease. Hong Kong J of Nephrol. 2011; 13: 74-76. **H. index- 26, IF**
23. Singh S., **Singh U.**, Pandey S.S.: Increased level of serum homocysteine in vitiligo. Jour. of Clinical Lab. Ana. 2011; 25(2): 110-112. **I.F. 1.38**
24. Singh S., **Singh U.**, Pandey S.S.: Epidemiological profile of vitiligo in Northern India. J of Applied Pharmaceutical Sciences. 2011; 01:211-214. **I.F. - Not Available**
25. Singh S., **Singh U.**, Pandey S.S.: Study of total antioxidants status in Indian patients. Egyptian Dermatology Online Journal. 2011; 7:1-2. **I.F. - Not Available**
26. Singh S., **Singh U.**, Pandey S.S.: Thyroid Dysfunction and Anti-Thyroid Peroxidase Antibody in patients with vitiligo. International Journal of Pharmaceutical & Biological Archives. 2011; 2(3):891-895. **I.F. - Not Available**
27. Singh S., **Singh U.**, Pandey S.S.: Serum concentration of IL-6, IL-2, TNF- α and IFN- γ in the vitiligo patients. Indian Journal of Dermatology. 2012; 57:12-14. **I.F. 0.724, H. Index - 5**
28. Singh S., **Singh U.**, Pandey S.S.: Serum folic acid, vitamin B12 and homocysteine levels in Indian vitiligo patients. Egyptian Dermatology Online Journal. 2012; Vol. 8, No 1: 2. **I.F. - Not Available**
29. **Singh U.**, Rastogi H., Patne S.C.U.: Anti phospholipid antibody-related Bells palsy in young women. Singapore Med J. 2012; 53(3): e55-e56. **I.F. 0.73**
30. Prakash J., Brozen T., Rathore S.S., Choudhary TA, Gupta T, **Usha**: The changing pattern of renal amyloidosis in Indian subcontinent: Two decades of experience from a single centre. Renal Failure 2012 early on line DOI 10.3109/0886002 X. 2012.723514. **I.F. 0.84**
31. Prakash J., Rathore S.S., Singh T.B., Choudhary T.A., Prabhakar, **Usha**: New onset diabetes after transplantation (NODAT): Analysis of pre-transplant risk factor in renal allograft recipients. Indian Journal of Transplantation. 2012; 6(3): 77-82. **I.F. - Not Available.**

32. Verma P.K., **Usha**, Niladri, Singh N.K. and Saraf S.K.: A comparative diagnostic evaluation of rheumatoid factor by different immunological techniques: Latex agglutination, gelatin agglutination, turbidometry and ELISA in Rheumatoid Arthritis. *Indian J of Research*. 2013; 7: 17-21. **I.F. 0.28**
33. Singh N.K., Yadav D.P., Gupta A., **Singh U.** and Godara M.: Role of anti annexin A5 in pathogenesis of hyper coagulable state in patients with anti phospholipid syndrome. *International J. Rheumatic Diseases*. 2013; 1-6. **I.F. 1.65**
34. Prakash J., Brojen Singh T., Ghosh B., Malhotra V., Rathore S.S., Vohra R., Mishra R.N., Srivastava P.K., Usha : Changing epidemiology of community acquired acute kidney injury in developing countries: an analysis of 2405 cases in 26 years from Eastern India. *Clin Kidney J*. 2013; 0: 1-6. DOI 10.1093/CKJ/SFS 178. **I.F. - Not Available**
35. Shukla V.S., Singh R.G., Rathore S.S., Usha : Outcome of malaria associated acute kidney injury : a prospective study from a single centre. *Renal Failure early online* 1-5, 2013; Informa Healthcare. DOI.103109/0886022X.2013.800808. **I.F. 2.195**
36. Basu SP, Saxena V, Sharma CLN and **Kumar M.** Image of the Month: Phyllodes tumor (benign). *Arch Surg*, 143 (2): 207-208, 2008., **I.F. 2.3604 (4.259)**
37. D Kumaran, M Udayabanu, **M Kumar**, R Aneja, A Katyal. Involvement of angiotensin converting enzyme in cerebral hypoperfusion induced anterograde memory impairment and cholinergic dysfunction in rats. *Neuroscience* 155 (3), 626-639, 2008. **I.F. 3.556**
38. M Tewari, P Rai, **M Kumar**, HS Shukla. Long-term Outcome of Treatment of Early Carcinoma of the Lip with Nd: YAG Laser. *World journal of surgery* 32 (4), 543-547, 2008. **I.F. 1.809.**
39. Tewari M, Kumar V, Mishra RR, Kumar M, Shukla VK. Is there a role for cholecystectomy in gallbladder carcinoma discovered to be unresectable for cure at laprotomy? *World J Surg*. 32(12): 2683-7, 2008. **I.F. 1.809**
40. Prem Shankar Upadhyay, **Mohan Kumar**, BM Singh. Is the Shvas-Kas-Chintamani-Ras Toxic? An Experimental Study. *JREIM Vol. XIV: 2 (2008)*, 21-26. **I.F. - Not Available**
41. Nath G, Singh YK, **Kumar K**, Gulati AK, Shukla VK, Khanna AK, Jain AK, Kumar M, Singh TB. Association of carcinoma of the gallbladder with typhoid carriage in a typhoid endemic area using nested PCR. *J Infect Dev Ctries*. 30; 2(4): 302-7, 2008. **I.F. 1.2**
42. PS Ypadhyay, **Mohan Kumar** and BM Singh. An experimental study on Shvasa-Kasa-Chintamani-Rasa. *R. Res. Educ. Indian. Med.*, Vol. XIV (2): 21-26, 2008. **I.F. - Not Available**
43. Sharma D, Kumar S, Tandon A, Kar AG, Kumar M, Shukla VK. Primary rectal teratoma. *Surgery*. 143(4): 570-1, 2008. **I.F. 2.499**
44. Gupta S, Kumar A, gangopadhyay AN, Kumar M. Spinal cord hamartoma with pseudopancreatic cyst. *Indian J Pediatr*. 75(3): 281-3, 2008. **I.F. 0.715**
45. **Mohan Kumar**, Shashikant CU Patne, Sandip Kumar, VK Shukla. Primary high-grade testicular leiomyosarcoma. *IJPM*, 52 (1) January-March, 2009. **I.F. 0.57**

46. Shashikant CU Patne, **Mohan Kumar**, Pranay Tanwar. Unusual Features of Medullary thyroid Carcinoma in Multiple Endocrine neoplasia type 2A. IJPM, 52 (2), April-June 2009. **I.F. 0.57**
47. Pandey A, Singh AK, Maurya SK, Rai R, Tewari M, **Kumar M**, Shukla HS. Genomic Profiling of Breast Cancer. J Surg Oncol. 1-8, 2009. **I.F. 2.644**
48. K Sanjeev Maurya, Mallika Tewari, K Mahendra Thakur, **Mohan Kumar** and S Hari Shukla. Stage Dependent expression of MUC1 Glycoprotein in Gallbladder Carcinoma. Jr. of Cancer Res. & Exp. Oncology. Vol 1(1):1-7, October 2009. **I.F. - Not Available**
49. Somprakas Basu, **Mohan Kumar** JPN Chansuria, Tej Bali Singh, Raj Bhatnagar, Vijay K Shukla. Effect of Cytomodulin-10 (TGF- β 1 analogue) on wound healing by primary intention in a murin model. Int. J. of Surg. 7: 460-465, 2009. **H. Index- 19, IF – 1.436**
50. D Mishra, M Sinha, M Kumar and V Kumar. Chronic Toxicity Study of 'Garbhpal Ras', An Ayurvedic Medicine. Jr. of Herbal Medicine and Toxicology 3(1): 13-17, 2009. **I.F. - Not Available**
51. Anita Pandey, Alok Kumar Singh, Sanjeev Kumar Maurya, Pajani Rai, Mallika Tewari, **Mohan Kumar** and HS Shukla. Genomic^{Q1} Profiling of Breast Cancer. Jr. of Surg. Oncol; 00: 1-8, 2009. **I.F.2.644**
52. Shashikant CU Patne, **Mohan Kumar**, Lubna Sadaf, Chhaya Rani Shevra, Amit Rastogi. Giant-cell tumor of the pubic bone: A case report. Vol. 15(1): 2009. **I.F. - Not Available**
53. Shashikant C.U. Patne, **Mohan Kumar**, Pranay Tanwar. Unusual features of medullary thyroid carcinoma in multiple endocrine neoplasia type 2A. India Journal of Pathology & Microbiology, 52(2): 275-277, 2009. **I.F.0.57**
54. Umakant Gaud, Mridula Shukla, Dip NB, **Mohan Kumar** and Manoj Pandey. Isolated interathyroid neurofibrona. Otolaryngology-Head & Neck Surg. (2009). **I.F. 0.72**
55. Anuradha Khanna, Arti Matah, **Mohan Kumar**. Prevalence of HPV in Hospital Set up and Its correlation with CIN. The Internet Journal of Gynaecol. And OBstet. Vol. 10(2): 2009. **I.F. - Not Available**
56. Dwivedi US, Kumar A, Das SK, Trivedi S, Kumar M, Sunder S, Singh TB. Relook TURBT in superficial bladder cancer: its importance and its correlation with the tumor ploidy. Urol Oncol. 27(5): 514-9, 2009. **I.F. 3.647**
57. U Gaud, M Shukla, **M Kumar**, M Pandey. Isolated intrathyroidal neurofibroma. Otolaryngology--Head and Neck Surgery 141 (2), 300, 2009. **I.F. 0.72**
58. Monika Bansal, Rajesh, **Mohan Kumar**, Anand Pratap Singh. Oral Lichen Planus with Skin Lesion – A Case report. JIDA, Vol. 3(4): 132-134, 2009. **I.F. - Not Available**
59. Nagwani Santosh, **Kumar Mohan**, Singh Royana, Tripathi B Yaminim. Hepatotoxicity of tubers of Indina Kudzu (*Pueraria tubersoa*) in rats. Food & Chemical Toxicology, 48: 1066-1071, 2010. **I.F. 3.010**
60. **M Kumar**, S Patne, A Vishwanath, Z Hasan. Lingual alveolar soft part sarcoma in a child managed successfully with surgery and chemotherapy. Indian Journal of Cancer 47 (2), 234, 2010. **I.F. 0.63**

61. S Mitra, **M Kumar**, V Sharma, D Mukhopadhyay . Squash preparation: A reliable diagnostic tool in the intraoperative diagnosis of central nervous system tumors. *Journal of Cytology/Indian Academy of Cytologists* 27 (3), 81, 2010. **I.F.0.33**
62. Somprakas Basu, **Mohan Kumar**, Vijay K Shukla. Ovarian dermoid eroding into rectum and masquerading as recurrent rectal teratoma. *Open Access Surgery*; 3: 5-7, 2010. **I.F. 2.228**
63. **Kumar M**, Lubna S, Vishwanath, Bargotya M. Primay Adenoid Cystic Carcinoma of the Breast : A Case Report. 4: 2076-2078; 2010. **I.F. - Not Available**
64. SK Singh, DNS Gautam **M Kumar** and SB Rai. Synthesis, Characterization and Histopathological Study of a Lead-Based Indian Traditonal Drug: *naga Bhasma*. *Indian J Pharm Sci.* 72(1): 24-30, 2010. **I.F. - Not Available**
65. Kumar M, Patne S, Vishwanath A, Hasan Z. Lingual alveolar soft part sarcoma ina child managed successfully with surgery and chemotherapy. Vol 47(2): 234-235, 2010. **I.F. - Not Available**
66. Bansal M, Chaturvedi TP, Bansal R, Kumar M. Acanthomatous ameloblastoma of anterior maxilla. *Journal of Indian Society of Pedodontics and Preventive Detensitry.* Vol. 28(3): 209-211, 2010. **I.F. - Not Available**
67. Santosh N, **Mohan Kumar**, Royana S, Yamini TB. Hepatotoxicity of tubers of Indian Kudzu (*Pueraria tuberosa*) in rats. *Food. Chem Toxicol.* 48(4): 1066-71, 2010. **I.F. 3.010 (2.14)**
68. Rajani Rai, Mallika Tewari, **Mohan Kumar**, Tej Bali Singh and Hari S Shukla. Expression profile of cholecystokinin type-A receptor in gallbladder cancer and gallstone disease. *Hepatobiliary Pancreat Dis In.*, Vol. 10(4): 408-414, 2011. **I.F. 1.434**
69. Rai R, Tewari M, Kumar M, Singh AK, Shukla HS. P53: its alteration and gallbladder cancer. *Eur J Cancer Prev.* 20(2): 77-85, 2011. **I.F. 2.13**
70. Maurya SK, Tewari M, Kumar M, Thakur MK, Shukla HS. Expression pattern of tumor endothelial marker 8 protein in gallbladder carcinomas. *Asian Pac J Cancer Prev.* 12(2): 507-12, 2011. **I.F. 1.24**
71. Rahul Khanna, Shilpi Bhadani, Seema Khanna, Manoj Pandey, M. Kumar. Comparison of Immunohistocheistry with Conventional Histopathology for Evaluation of Sentinel Lymph Node in Breast Cancer. *Indian J Surg.* 73(2): 107-110, 2011. **I.F. 0.092**
72. V Bhattacharya, Shammi Purwar, D Joshi, M Kumar, S Mandal, GR Chaudhuri, S Bhattacharya. Electrophysiological and histological changes in extrinsic muscles proximal to post burn contractures of hand. *Burns.* 37: 692-697, 2011. **I.F. - Not Available**
73. Rahul Khanna, Avinash Dutta Sharma, Seema Khanna, **Mohan Kumar**, Ram C. Shukla. Usefulness of ultrasonography for the evaluation of cervical lymphadenopathy. *World Jr. of Surg. Oncology.* 9:29, 2011. **I.F. 1.09**
74. Kumkum Jha, **Mohan Kumar**, Vijay K Shukla, Manoj Pandey. Survivin Expression and Correlation with Clinico-pathological Parameters in Breast Cancer. *World J pathol.* 1: 23-30, 2012. **I.F. - Not Available**

75. Seema Khanna, Seema Singh, HD Khanna, **Mohan Kumar**, Sanjeev K Gupta. Evaluation of Estradiol Levels, Lipids Profile, Estrogen Receptor Status and its Correlation with Histological Variants in Benign Breast Disease. *World J Pathol*, 1: 10-13, 2012. **I.F. - Not Available**
76. Rajendra P Maurya, Prashant Bhushan, Virendra P Singh, Mahendra K Singh, Manoj Pandey, Updai P Shahi, **Mohan Kumar**. Clinico-pathological response of neoadjuvant chemotherapy in advance ocular carcinoma. *World J Med. Radiat Oncol*. 1: 25-31, 2012. **I.F. - Not Available**
77. Abhijit Das, Rahul Khanna, RN Meena, Ram C Shukla, **Mohan Kumar**, Seema Khanna. Doppler Ultrasound Evaluation of the Axellia in Clinically Node Negative Breast Cancer. *World J Surg Med Radiat Oncol* 2012;1:60-65. **I.F. - Not Available**
78. Maurya R.P.,Singh V.P.,Prashant Bhusan,Singh, M.K.,**Mohan kumar**. Congenital Orbital teratoma with bilateral anophthalmia;a rare presentation.*World Journal Of Pathology*,1,35-38,2012 **I.F. - Not Available**
79. Maurya R.P.,prashantbhusan,Singh V.P.,Singh M.K.,**Mohan Kumar**.Recurrent solitary orbital neurofibroma;A rare presentation.*World J Surg Med Radiat Oncol*,1, 37-41,2012. **I.F. - Not Available**
80. Rai R, Chandra V, Tewari M, **Kumar M**, Shukla HS. Cholecystokinin and Gastrin Receptors targeting in gastrointestinal Cancer. *Surg Oncol.*, pp. 1-12, 2012. **I.F. 1.728**
81. Srivastava R.,kashyap antara,**Kumar M.**,Nath G,Jin AK Mucosal IgA &IL-1Beta in Helicobacter pylori infection. *Ind.J Clin Biochem*, pp1-5,2012 **I.F. - Not Available**
82. Patne SCU, Kumar S, Bagri NK, Kumar A, **Shukla J**. Chediak-Higashi Syndrome: A case Report; *Indian Journal of Haematology and Blood Transfusion*, 1-4. 2012. **I.F.- 0.25**
83. Kumar S, Kishore R, Gupta V, Jain M, **Shukla J**. Prevalence and spectrum of von Willebrand disease in Eastern Uttar Pradesh. *Indian J Pathol Microbiol*. 53(3):486-9. 2010. **I.F.- 0.57**
84. Prasad R, Das BK, Pengoria R, Mishra OP, **Shukla J**, Singh TB. Coagulation status and platelet functions in children with severe falciparum malaria and their correlation of outcome. *J Trop Pediatr* 55(6): 374-378., 2009. **I.F.- Not Available**
85. Agrawal N, Kumar S, Puneet, Khanna R, **Shukla J**, Khanna AK. Activated protein C resistance in deep venous thrombosis. *Ann Vasc Surg*. 23(3):364-6., 2009, **I.F.- 1.16**
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2. Usha, Paswan M.K., Patne S.C.U., Mishra J.K.: Role of genetics and cytokines in bronchial asthma. In update on respiratory diseases and allergy, Dr. J.K. Mishra (editor). Tara Book Agency, Varanasi, 1st edition, p. 60-73, 2012.
23. Details of patents and income generated
Patents - None
Income generated - revolving fund of Rs 4-5 Lakhs /year
24. Areas of consultancy and income generated
NONE
25. Faculty selected nationality/ internationally to visit other laboratory in India and abroad.
NONE
26. Faculty serving in
 - (a) National committees None
 - (b) International Committees NONE
 - (c) Any other (please specify) NONE
27. Faculty recharging strategies
At the level of Institute and University (BHU).
28. Student Projects
 - Percentage of students who have done in-house projects including interdepartmental projects
All MD Pathology students (100%) have done thesis work in the department according to MCI norms
 - Percentage of students doing projects in collaboration with other universities/ industry/institutes : Nil
29. Awards / recognitions received at the national and international level by
 - Faculty
Dr. Amrita G. Kar, Asstt. Professor joined the department after completing her one year Post Doctoral Fellowship in Neuropathology in NIMHANS, Bangalore.
 - Doctoral / postdoctoral fellows
 - Mrs. Suman Singh, Research Scholar awarded Young Scientist Award in 45th Annual Conference of Indian College of Allergy, Asthma and Applied Immunology at Aurangabad from 16-18th December 2011.
 - Dr G K Sonkar PhD scholar awarded Young Scientist Award in Annual Conference of Indian College of Allergy, Asthma and Applied Immunology ICAAICON-2009, Ahmedabad

- PG Students

Dr Bitan Naik, 1st year junior resident, got third prize in postgraduate quiz competition in 39th Annual National Conference Of Indian Immunology Society-IMMUNOCON-2012

30. Seminars / conferences/ Workshops organized and source of funding (national / international) with detail of outstanding participants, if any.

1. 2-4th November 2012 : 46th Annual Conference of Indian College of Allergy, Asthma and Applied Immunology --ICAAICON 2012. under Organizing Chairperson Professor Usha.& organizing secretary Professor J K Mishra
2. 9-11th November 2012 ; 39th Annual National Conference Of Indian Immunology Society-IMMUNOCON-2012. under Organizing Chairperson Professor Usha. & Organizing secretary Dr S C U Patne

31. Code of ethics for research followed by the departments
As per IMS ethical committee

32. Student profile course-wise:

Name of course (refer to question no. 4)	Applications received		Selected			Pass percentage		
				Male	Female		Male	Female
MBBS	Records are with Director Office		Records are with Director Office			Records are with Director Office		
MD pathology	Records are with Director Office		2013	3	3	2013	100(6)	100 (1)
			2012	5	2	2012	100 (6)	100 (2)
			2011	6	1	2011	100 (2)	100 (4)
			2010	6	2	2010	100 (1)	100 (3)
			2009	2	4	2009	100 (2)	100(2)
			2008	1	3	2008	100(1)	100(1)
DMLT	2013	42	2013	5	6	2013	100(6)	100(8)
	2012	54	2012	5	10	2012	100(7)	100(8)
	2011	60	2011	6	8	2011	100(4)	100(7)
	2010	58	2010	7	8	2010	100(9)	100(2)
	2009	45	2009	4	7	2009	100(5)	100(5)
	2008	58	2008	9	2	2008	100(8)	100(2)

33. Diversities of students

Name of course (refer to question no. 4)		% of students from the same universities	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MBBS		Records are with Director Office	Records are with Director Office	Records are with Director Office	Records are with Director Office
MD	2013	16.6	00	83.4	00
	2012	00	71.4	28.6	00
	2011	33.3	00	66.7	00
	2010	12.5	00	75	12.5
	2009	00	00	100	00
	2008	00	25	50	25

DMLT	2013	9.0	91.0	00	00
	2012	6.6	93.4	00	00
	2011	00	100	00	00
	2010	00	100	00	00
	2009	10	90	00	00
	2008	08	92	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give detail category-wise.

NET = 2

GATE =1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Records are with Director Office
PG to M. Phil	Records are with Director Office
PG to Ph.D.	Records are with Director Office
Ph.D. to Post-Doctoral	Records are with Director Office
Employed Campus selection Other than campus recruitments	Records are with Director Office
Entrepreneurs	Records are with Director Office

36. Diversities of staff

Percentage of faculty who are graduates	
Of the same university	NIL
From other universities within the state	4
From universities from other states	6
From universities outside the country	NIL

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period
NONE

38. Present details of infrastructural facilities with regard to

- | | |
|---|---|
| a) Library | YES |
| b) Internet facilities for staff and students | YES |
| c) Total number of classrooms | Three Institute Lecture Theaters
One examiners room,
One practical class,
One DMLT room,
One museum |
| d) Classroom with ICT facility | YES |
| e) Students' laboratories | YES |
| f) Research laboratories | YES |

39. List of doctoral, post-doctoral students and Research Associates

- | | |
|----------------------------|------|
| a) From host university | NONE |
| b) From other universities | NONE |

40. Number of post graduates students getting financial assistance from the university
NONE

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
NO/ NA

42. Does the department obtain the feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback? : **Teaching curriculum is revised periodically latest revision in 2011-12. Feedback of teaching/learning is taken by sessional/ final examination.**
- b) Student on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : **It is done as and when required**
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback? No/NA

43. List of distinguished alumni of the Department (maximum 10)

Dr SK Khurana
Dr Kavita Chatterjee
Dr Manjulata Prasad
Dr Pushpa Sodhani
Dr R S Garbyal
Dr Prajawala Gupta
Dr Pranay Tanwar
Dr Swapan Pathak
Dr Krishnendu Mukhopadhyay

44. Give details of student enrichment programmes (special lectures / workshop/ seminar) involving external experts.

Workshop; Workshop on autoimmune liver disease
PG Quiz: organized 39th Annual National Conference of Indian Immunology Society- IMMUNOCON-2012.

45. List of teaching methods adopted by the faculty for different programmes

Problem based teaching
Power point presentation
Routine reporting
Slide seminar

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

For MD students: Seminar
Slide seminar
Examination

For MBBS students: Sessional Examination,
Viva-voce
Day to day assessment

47. Highlights the participation of students and faculty in extension activities
It is done at Institute level
48. Give details of “beyond syllabus scholarly activities” of the department.
Special coagulation tests like von-Willibrand disease, Glanzman’s thrombosthenia and Hemophilia.
Participation in National and State Federation of Hemophilia Society.
49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.
NA
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Doing Immunohistochemistry on routine basis
Ultrasound guided FNAC in the department has also started.
Bone marrow biopsy is introduced on routine basis
Platelet function tests especially aggregation tests has been started on newly purchased dual channel platelet aggregometer on routine basis .
Standardized HLA B-27 typing for ankylosing spondylitis & HLA DR typing by PCR for transplant and other diseases
Performed BCR-ABL fusion gene by PCR method in CML
Center started Immunofluorescence test on kidney biopsy
Standardized and established immunophenotyping of acute leukemia by Immunocytochemical method
51. Future plan of the Department.

Strengthening of the existing diagnostic and teaching facilities and introduction of molecular diagnostic facilities in Histopathology, Haematology and Immunopathology.

- **To enhance the laboratory tests for autoimmunity, immunodeficiency and tumor markers.**
 - **To start Molecular Tests by PCR technology for diagnosis of various diseases.**
 - **To enhance facilities for Immunohistochemistry Markers in various neoplasm.**
- Diagnostic and Research activities in patients of Thrombophilia.**

52. Detail any five Strengths, Weakness, Opportunities and Challenges (SWOC) of the department

**Strengths: We work hard to deal with work pressure with 50% of the sanctioned staff
Congenial environment**

**Weakness: Shortage of teaching & Non-teaching staff
Lack of promotional avenues for Teaching Staff
Lack of funds for further development**

Opportunities: Got opportunity to organize two (2) conferences
Got revolving fund

Challenges: To start molecular diagnostic facilities
Flow cytometry based new diagnostic strength
Automation

Post-accreditation Initiatives

If the university has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed ten pages.