

Contents



CANCER OF THE UTERINE CERVIX AND HUMAN PAPILLOMAVIRUSES	1
• Transcriptional Regulation of Human Papillomavirus Gene Expression in Human Cervical Cancer Cells	3
• Investigation on the Clearance of Human Papillomavirus Infection in Uterine Cervix by Basant, a Polyherbal Vaginal Cream and Curcumin	5
• Development of HPV Diagnostics for Early Detection of Cervical Cancer	7
• Molecular Markers for the Detection and Progression of Cervical Cancer	9
• Molecular Genetic Basis of Cancer: Analysis of Genetic Alteration and Transcriptional Profiling of Genes During Cervical Carcinogenesis	11
• Polymorphism of Cytokine Gene, Tumor Necrosis Factor α in Cervical Cancer	13
• Cyclin D1 Gene Polymorphism in Cervical Precancer and Cancer	14
• Multimodal Screening Tools for Early Detection of Cervical Cancer and Precancerous Lesions	15
• Biological Behaviour of Human Papillomavirus Infection of Uterine Cervix in Indian Females	16
• Probability Models to Understand the Risk Factors and Natural History of Pre-cancerous and Cancerous Lesions of Uterine Cervical Cancer	18
• Cytological Diagnosis, Menopausal Status and HPV Infection in Postmenopausal Women	19
• Genetic Polymorphism in E6 and E7 Genes of Human Papillomavirus (HPV) Types 16 And 18 in Cervical Cancer	20
• Development of Prophylactic DNA-Based Genetic Vaccines Against Human Papillomavirus Type 16 and 18	21
• Expression of Targeted Ribozyme Against HPV 16 E6 and E7 Genes in Cervical Cancer Cell Lines	22
• Clinical Trial of Polyherbal Neem Cream and Tablet 'Praneem' in Women with HPV Infection	24
• Awareness Surveys of Cervical Cancer Among Physicians and School Teachers of Noida	25
• Magnivisualizer—A Low Cost Tool for Early Detection of Cervical Cancer by Visual Inspection	27
BREAST CANCER	29
• Study of <i>BRCA1</i> , <i>BRCA2</i> and <i>p53</i> Gene Mutations and Expression in Human Breast Cancer Cells	31
• Transcription Factors AP-1 and NF- κ B in Breast Carcinomas	34
• Role of Promoter Methylation in the Expression of <i>BRCA1</i> Gene in Breast Cancer	36
• Morphological Parameters and Image Cytometry of the Fine Needle Aspirates of Histo-pathologically Confirmed Benign and Malignant Breast and Other Lesions	38

ORAL CANCER	39
• Differential Expression Profile of Nuclear Factor-Kappa B (NF-κB) in Oral Cancer Tissue	41
• Role of Transcription Factor Activator Protein-1 (AP-1) in Oral Carcinogenesis	43
• Suppression of Constitutive Activation of Host Transcription Factors, NF-κB and AP-1, in Oral Carcinogenesis by Curcumin	44
• Assessment of Prevalence of Tobacco Use and Impact of Health Education Intervention among School Students	45
• Survey of Tobacco and Alcohol Use in Adult Population	48
CANCER IN NORTH-EAST REGIONS OF INDIA	49
• Comprehensive Study of Carcinoma Esophagus at North-East India—A Multidiscipline Approach	51
• Cancer in North-East India—Understanding the Role of Tobacco	53
• Effect of Pesticide Exposure in Causation of Cancer in North-East India	55
BEHAVIOURAL ONCOLOGY	57
• Socio-Behavioural Aspects of RTI's and HIV Seropositivity including Cervical Dysplasia	59
• Breast Cancer—A multidisciplinary Study on Clinico-Epidemiological and Psychobehavioural Aspects	61
• A Socio-Behavioural Study of People Living with HIV/AIDS (PLWHA)	62
MISCELLANEOUS SCIENTIFIC ACTIVITIES	65
• Genetic Polymorphisms and Susceptibility to Various Cancers	67
• Detection of Ovarian Malignancies among Women with Adnexal Masses and their Genetic Characterization—A Multimodal Approach	69
• Flowcytometric DNA Analysis and Cytological Diagnosis of Pleural Effusions	70
• Exploration of National Cancer Registry Programme Data and its Statistical Modeling	71
• Referral, Diagnostic and Consultation Services	73
FACILITIES AND SUPPORT UNITS	75
• Central Computation and Local Area Network (LAN) Facility	77
• Library	78
• Experimental Animal Research Facility	79
• Central Instrumentation	80
• Tissue Culture Facility	82
• Clinical & Patient Care Facility	83
• Radioactivity Experimental Research Facility	84
• Ancillary Units	85
PUBLICATIONS	86
INNOVATIONS	91
EXTRAMURAL FUNDING	92
HONORS	95



ACADEMIC ACTIVITIES	97
• Creation of Academic Cell	99
• Conferences/Symposia/Workshops/lectures Organized	104
• Conferences Attended and Papers Presented	107
• ICPO Faculties Invited	109
• Recognition of ICPO Faculties	110
VISITORS	111
COMMITTEES	113
• Scientific Advisory Committee	115
• Ethical Committee	118
• Building Committee	119
• Technical Committee	120
• Institutional Committees	121
INFRASTRUCTURE DEVELOPMENT INITIATIVES	122
COLLABORATION	124
ICPO STRENGTH	125
MEDIA COVERAGE	129