

RESEARCH FELLOWSHIPS FUNDED DURING 2005-2006

Epidemiology and Communicable Diseases

Sl. No.	Title of the Project	Name of the Fellow/Institute
1.	Development of an immunodiagnostic assay using recombinant p1 protein of <i>Mycoplasma pneumoniae</i>	Smt. Irum Tabassum National Tuberculosis Institute Bangalore
2.	Immunogenicity of tetanus toxoid conjugates of anti-idiotypes that mimic <i>Klebsiella pneumoniae</i> surface polysaccharides	Ms. Sonia Bohncal Bhardwaj Punjab University Chandigarh
3.	Streptococcal inhibitor of complement protein : its distribution, isolation and functional characterization from Indian GAS isolates	Sh. Vivek Sagar Postgraduate Institute of Medical Education and Research Chandigarh
4.	Cysteine proteinase activity in <i>Trichomonas vaginalis</i> isolates from symptomatic and asymptomatic patients and clinical samples : its correlation with free nitrogen radical levels	Ms. Manisha Yadav Postgraduate Institute of Medical Education and Research Chandigarh
5.	Stage specific analysis of <i>in vitro</i> drug resistance in promastigote and amastigote stages of <i>Leishmania donovani</i> isolates of India	Ms. Ranjini Valiathan Postgraduate Institute of Medical Education and Research Chandigarh
6.	Cytokine responses in symptomatic vs asymptomatic amoebiasis patients	Sh. Devendra Bansal Postgraduate Institute of Medical Education and Research Chandigarh
7.	Molecular epidemiological surveillance and evaluation of virulence factors in nontypable <i>Haemophilus influenzae</i>	Sh. C Sasanka Sekhar Postgraduate Institute of Medical Education and Research Chandigarh
8.	Study of potential beneficial effects of biotherapeutics on experimental <i>Clostridium difficile</i> infection	Smt. Sukhminderjit Kaur Postgraduate Institute of Medical Education and Research Chandigarh
9.	To study the expression of major virulence factor: <i>Streptococcal</i> adhesins (SFB) in Indian isolates and its pattern of antibody response in humans	Sh. Anil K. Sharma Postgraduate Institute of Medical Education and Research Chandigarh

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| 10. | <i>Entamoeba histolytica</i> adherence lectin (GAL/GALNAC) mediated activation of immune competent cells | Smt. Monika Sharma
Postgraduate Institute of
Medical Education and Research
Chandigarh |
| 11. | Detection of canine distemper virus related bone disease in pet owners | Ms. D. Latha
Anna University
Chennai |
| 12. | Enhancing the efficacy of recombinant protein vaccines and DNA vaccines for human lymphatic filariasis | Sh. Balakrishnan A Setty
Centre for Biotechnology
Chennai |
| 13. | Surveillance for influenza viruses activity in Chennai, standardization of RT-PCR/RFLP analysis for rapid identification of influenzae viruses and studying antigenic strain variation | Sh. A. Khaleef Athullah Sheriff
King Institute of Preventive Medicine
Chennai |
| 14. | Analysis of molecular basis of pyrazinamide resistance in mycobacteria | Smt. E. Ezhilkatharine
Tuberculosis Research Centre
Chennai |
| 15. | Genotypic testing for drug resistant mutations in HIV strains in South India-Pilot study | Smt. S. Lakshmi
Tuberculosis Research Centre
Chennai |
| 16. | A study of the clinical presentation of tuberculosis in HIV positive patients and its correlation with CD4 and CD8 counts | Dr. Amit Mann
Base Hospital
Delhi |
| 17. | Dermatological manifestations in HIV infection and its correlation with CD4 count | Dr. Gulhima Chawla
Base Hospital
Delhi |
| 18. | A study of various clinical manifestations in HIV patients with CD4 count less than 200 amongst Indian population | Dr. Renu Susan David
Base Hospital
Delhi |
| 19. | Basic studies on the mechanism of infection in cerebral malaria pathology mediated by <i>Plasmodium berghei</i> antigen | Sh. Vinay Kumar Godina
Dr. B.R. Ambedkar Centre for
Biomedical Research
Delhi |
| 20. | Role of apoptosis in the pathogenesis of influenza virus, correlation of virological and immunological parameters : study in human and murine model | Sh. Vikarm Srivastava
Vallabhbbhai Patel Chest Institute
Delhi |
| 21. | Study of extracellular proteinase and phospholipase activities of clinical and environmental isolates of <i>Cryptococcus neoformans</i> , <i>Candida albicans</i> and non-albicans | Sh. S.R. Nawange
Rani Durgawati Vishwavidyalaya
Jabalpur |

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| 22. | Studies on occult hepatitis B virus infection and naturally occurring surface gene variants of hepatitis B virus and its clinical significance in eastern Indian population | Sh. Anup Banerjee
ICMR Virus Unit
Kolkata |
| 23. | Studies on interspecies transmission of rotaviruses | Dr. Souvik Ghosh
National Institute of Cholera and Enteric Diseases
Kolkata |
| 24. | Studies on the identification of Th1 stimulatory proteins of a recent field isolate of <i>Leishmania donovani</i> for their prophylactic evaluation against experimental visceral leishmaniasis | Sh. Ravindra Garg
Central Drug Research Institute
Lucknow |
| 25. | Characterisation of <i>Brugia malayi</i> adult parasite molecules that might potentially facilitate reinfection in infected host previously treated with antifilarials | Sh. Rajivlochan Gaur
Central Drug Research Institute
Lucknow |
| 26. | Characterization of semipurified molecules of <i>Brugia malayi</i> adult worm extract in relation to pathophysiology of filariasis in rodent - <i>B. malayi</i> model | Sh. Saurabh Dixit
Central Drug Research Institute
Lucknow |
| 27. | Characterization of extended spectrum beta lactamase producing <i>Klebsiella spp.</i> isolated from intensive care unit | Sh. Rajesh Kumar Mondal
K.G's Medical University
Lucknow |
| 28. | Relationship between <i>Helicobacter pylori</i> genotypes and different gastroduodenal diseases | Sh. Ashish Saxena
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Lucknow |
| 29. | Effect of chromium on dengue virus infection in mice | Ms. Richa Shrivastava
Central Food Technological Research Institute
Mysore |
| 30. | Phenotypic switching and its frequency in primary <i>C. neoformans</i> isolates from infected patients | Ms. Neena Jain
All India Institute of Medical Sciences
New Delhi |
| 31. | A prospective study to evaluate the role of <i>Clostridium perfringens</i> in diarrhoea versus controls and their phenotypic and genotypic characterization | Ms. Lovely Joshy
All India Institute of Medical Sciences
New Delhi |
| 32. | Characterization of 30 kDa adhesin protein (p30) of <i>Mycoplasma pneumoniae</i> | Sh. Avanish K. Varshney
All India Institute of Medical Sciences
New Delhi |

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| 33. | Prevalence and association of transfusion transmitted virus and hepatitis C virus in patients undergoing hemodialysis in northern India | Dr. Somia Bashir
All India Institute of Medical Sciences
New Delhi |
| 34. | Expression and use of TTV recombinant protein to detect anti TTV antibodies in serum | Dr. Yukti Sharma
All India Institute of Medical Sciences
New Delhi |
| 35. | Development of a conjugate vaccine for enteric fevers | Ms. Sanyukta Sengupta
All India Institute of Medical Sciences
New Delhi |
| 36. | A study of thyroid functional status in HIV infected persons and to compare thyroid function at various stages of HIV infection and correlate with CD4 and CD5 counts | Dr. Debasish Saha
Army Hospital (Research & Referral)
New Delhi |
| 37. | Study of mutation in the HBV genome in fulminant hepatitis patients and its clinical significance | Sh. Abdul Malik
Jamia Milia Islamia
New Delhi |
| 38. | Molecular characterization of hepatitis B and C viral infections and their association with the risk of hepatocellular carcinoma study from a north Indian hospital | Mr. Mohammad Asim
Jamia Milia Islamia
New Delhi |
| 39. | Studying the effect of oxidative stress and manipulation of iron metabolism on drug resistance in <i>Candida albicans</i> | Dr. Aparna Chandra Kansal
Jawaharlal Nehru University
New Delhi |
| 40. | Epidemiological study of the antiretroviral drug resistant HIV-1 strains by monitoring antiretroviral drug resistance in protease and reverse transcriptase gene of HIV-1 infected patients | Sh. Sanjeev Saini
Maulana Azad Medical College and Associated Hospitals
New Delhi |
| 41. | Genotypic characterisation of hepatitis C virus (HCV) and its significance in patients with chronic liver disease (CLD) | Sh. Vikas Verma
Maulana Azad Medical College and Associated Hospitals
New Delhi |
| 42. | Molecular characterization of dengue virus strains by sequence analysis of envelope region | Smt. Rajni Kumaria
Maulana Azad Medical College and Associated Hospitals
New Delhi |
| 43. | Study of hepatitis B virus (HBV) genotypes and their clinical significance in patients with HBV-related liver diseases | Sh. Saket Chattopadhyay
Maulana Azad Medical College and Associated Hospitals
New Delhi |

44. Study of non structural protein encoding gene of hepatitis C virus
Sh. Deepak Kumar
Maulana Azad Medical College and Associated Hospitals
New Delhi
45. Characterization of extended spectrum B-lactamases (ESBI) and B-lactmases of clinical strains of *Yersinia enterocolitica* isolated from India
Sh. Sachin Sharma
University of Delhi
South Campus
New Delhi
46. Multilocus variable number tandem repeat analysis for typing of *Yersinia enterocolitica* isolated from India and other parts of the world
Smt. Pooja Gulati
University of Delhi
South Campus
New Delhi
47. Biodiversity of actinomycetes and their fungal activity against human pathogenic yeasts
Ms. Sangeeta Bansilal Raina
University of Pune
Pune
48. Studies on nosocomial infection with special reference to acinetobacter
Sh. Abhishek Gaur
Institute of Medical Sciences
Banaras Hindu University
Varanasi

Reproductive Health and Nutrition

49. Clinical-biochemical profile of the referred sick newborns at admission and its relationship to outcome in terms of morbidity and mortality
Dr. Ruchi Rai
Moti Lal Nehru Medical College
Allahabad
50. Role of p53 in experimental oxidative stress mediated apoptosis in spermatogenic process
Dr. Parminder Kaur
Panjab University
Chandigarh
51. Regulation of male fertility by monensin
Ms. Malti Singh
Panjab University
Chandigarh
52. Impact of maternal hypothyroidism on androgen receptor gene expression in the ventral prostate during pre-pubertal and pubertal period in rats
Ms. P.J. Arokya Mary Sashi
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
53. Impact of sex steroids on insulin receptor expression and glucose oxidation in target tissues of male albino rat
Sh. Muthusamy Thirupathi
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai

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| 54. | Effects of experimental diabetes and insulin replacement on epididymal structure and function | Sh. Soudmani Singh
Dr. A.L. Mudalar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai |
| 55. | Clinical effectiveness of co-trimoxazole versus amosycillin for pneumonia in children - a randomized controlled trial | Dr. S.M. Rajesh
Base Hospital
Delhi |
| 56. | Transcutaneous bilirubinometer in neonatal practice | Dr. Shalini Singh
Base Hospital
Delhi |
| 57. | <i>Chlamydia trachomatis</i> infection : a prospective study of its incidence in pregnant and non pregnant women and its effect on pregnancy in treated and untreated cases | Dr. Shilpa Garg
Base Hospital
Delhi |
| 58. | Nutritional and hypoglycemic effect of fruit pulp and leaves of <i>Annona squamosa</i> (custard apple) | Sh. R.K. Gupta
Dr. B.R. Ambedkar Centre for Biomedical Research
Delhi |
| 59. | A randomised comparative trial of two different dose regimens of misoprostol for medical termination of pregnancy up to 8 weeks | Dr. Ritu Goyal
University College of Medical Sciences and Guru Teg Bahadur Hospital
Delhi |
| 60. | Control of tuberculosis : a socio-cultural and gender based study in Manipur | Dr. Mary Grace 'D' Tungdim
University of Delhi
Delhi |
| 61. | An anthropological study on current prevalence, nature and etiology of childhood and adolescent obesity in Delhi | Dr. Sonali Walia
University of Delhi
Delhi |
| 62. | Long-term (2 year) effects of a reduced-fat diet intervention in type 2 diabetes mellitus | Ms. Neelima Gundupallee
The Nizam's Institute of Medical Sciences
Hyderabad |
| 63. | A study on nutrition and health status in relation to some bio social factors among the major tribes of Imphal and Churachandpur district, Manipur | Sh. A.K.S. Sarangthem
Regional Institute of Medical Sciences
Imphal |
| 64. | Understanding families coping with thalassemia : a psychosocial investigation | Ms. Tanuka Roy
Indian Institute of Technology
Kharagpur |

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| 65. | Characterization of a sperm outer surface-lectin receptor and its physiological significance | Sh. Kaushik Das
Indian Institute of Chemical Biology
Kolkata |
| 66. | Isolation and characterisation of a sperm forward motility stimulating factor from goat blood serum and its role in male fertility regulation | Sh. Sudipta Saha
Indian Institute of Chemical Biology
Kolkata |
| 67. | Studies on the effect of supplementation of variable dietary components (protein & carbohydrate) in the diet on excitatory neurotransmitters in relation to brain regions and immune response in young and aged mammals | Ms. Sudipta Pal
University College of Science
Kolkata |
| 68. | Studies on the antioxidative effects of sesame lignans in diabetes induced rats | Dr. Krishna Chattopadhyay
University College of Science and
Technology
Kolkata |
| 69. | Studies on the significance of maturation dependent 33 kDa glycoprotein of mammalian epididymis in human fertility/infertility | Sh. Abhishek Chandra
Central Drug Research Institute
Lucknow |
| 70. | To evaluate the efficacy of misoprostol for the induction of labour at term | Dr. Aruna Nigam
Era's Lucknow Medical College &
Hospital
Lucknow |
| 71. | Study on the functional role of epididymal proteins in sperm maturation | Sh. E. Prabakaran
National Institute for Research in
Reproductive Health
Mumbai |
| 72. | Identification and characterization of sperm specific antigen/s by using vasectomy induced antisperm antibodies | Ms. Monali Shashikant Wakle
National Institute for Research in
Reproductive Health
Mumbai |
| 73. | Proteome profile of domain specific proteins acquired during epididymal maturation | Dr. Amol Ratnakar Suryawanshi
National Institute for Research in
Reproductive Health
Mumbai |
| 74. | Genomic study related to Y chromosome microdeletions in infertile males | Mr. Abid Shadaan
National Institute for Research in
Reproductive Health
Mumbai |

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| 75. | Gene regulation of endometrial apoptosis | Smt. Mathura Yatin Narkar
National Institute for Research in
Reproductive Health
Mumbai |
| 76. | Studies on molecular mechanism of aggregation of amyloid beta peptide (1-40) and its modulation by amino acid stereo specificity and dietary components (garlic), relevance to Alzheimer's disease | Ms. Veer Bala Gupta
Central Food Technological Research Institute
Mysore |
| 77. | Diabetes associated male reproductive dysfunction : role of oxidative stress and its nutritional amelioration | Ms. Shrilatha Balakrishnan
Central Food Technological Research Institute
Mysore |
| 78. | Studies on nutritional and immunomodulatory effects of omega-3 and omega-6 rich oils in animal models | Sh. B.T. Diwakar
Central Food Technological Research Institute
Mysore |
| 79. | Xenobiotic-induced biochemical perturbations in pancreas and their interactive role in the onset of diabetes: development of dietary amelioration strategies | Sh. G. Vasudeva Kamath
Central Food Technological Research Institute
Mysore |
| 80. | Studies on influence of raw and heat processed garlic and onion on bile metabolism | Sh. S.K. Vidyashankar
Central Food Technological Research Institute
Mysore |
| 81. | Studies on the bioavailability of micronutrients from selected Indian foods | Smt. S. Hemalatha
Central Food Technological Research Institute
Mysore |
| 82. | Studies on the beneficial influence of spices on gastrointestinal system | Ms. N.S. Usha Prakash
Central Food Technological
Research Institute
Mysore |
| 83. | <i>Aspergillus carbonarius</i> strain improvement and process development for the production of xanthophyll | Sh. K.R. Sanjay
Central Food Technological Research Institute
Mysore |
| 84. | Secretion of progesterone and expression of hypoxia inducible factor-1 alpha during hypoxia induced by cobalt chloride in MA-10 cells | Dr. Bidut Prava Mohanty
All India Institute of Medical Sciences
New Delhi |
| 85. | Role of hypoxia on progesterone and vascular endothelial growth factor secretions in tumor leyding MA-10 cell | Ms. Garima
All India Institute of Medical Sciences
New Delhi |

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| 86. | Determination of the efficacy of reflexology therapy in the management of mastalgia and nodularity of the female breast by estimating the physio-chemical parameters | Ms. Charulata Jindal
All India Institute of Medical Sciences
New Delhi |
| 87. | Some epidemiological studies on unwanted pregnancy | Ms. Shahina Begum
All India Institute of Medical Sciences
New Delhi |
| 88. | An investigation on chromosome mosaicism and aneuploidy on early embryos through preimplantation genetic diagnosis | Sh. Ashish Kumar Fauzdar
All India Institute of Medical Sciences
New Delhi |
| 89. | Efficacy and safety of tranexamic acid for dysfunctional uterine bleeding and its comparison with cyclical progesterone therapy | Dr. Vidushi Kulshreshtha
All India Institute of Medical Sciences
New Delhi |
| 90. | Comparison of Diane 35 plus finasteride combination with Diane 35 plus spironolactone in the treatment of hirsutism | Dr. Sumitra Das
All India Institute of Medical Sciences
New Delhi |
| 91. | Mitochondrial genome and Y chromosome analysis in male infertility | Mr. Rakesh Kumar
All India Institute of Medical Sciences
New Delhi |
| 92. | Active management of the third stage of labour at cesarean sections: a randomised comparison of sublingual misoprostol with syntocinon | Dr. Vimalamma Nellore
All India Institute of Medical Sciences
New Delhi |
| 93. | Regulation of granulosa cell steroidogenesis by a novel secretory protein of <i>Mycobacterium tuberculosis</i> , its mechanism of action and possible role in modulating ovarian function in patients of extra-genital tuberculosis | Dr. Nishat Ahmad
All India Institute of Medical Sciences
New Delhi |
| 94. | Role of uterine artery embolisation in management of symptomatic uterine fibroids | Dr. Kanupriya
Army Hospital (Research & Referral)
New Delhi |
| 95. | Study of hepatic enzymes in neonates with perinatal asphyxia | Dr. Naveen Rana
Army Hospital (Research & Referral)
New Delhi |
| 96. | Clinical predictors of mortality in neonates requiring mechanical ventilation | Dr. Rahul Yadav
Army Hospital (Research & Referral)
New Delhi |
| 97. | GnRH agonists and antagonists in assisted reproductive techniques | Dr. Ratna Vasishta
Army Hospital (Research & Referral)
New Delhi |

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| 98. | Incidence and prevalence of candidiasis lichen planus and leukoplakia in diabetes | Dr. Vivek Tyagi
Deen Dayal Upadhyay Hospital
New Delhi |
| 99. | Incidence and severity of periodontal disease in diabetes | Dr. Kavita Jhigan
Deen Dayal Upadhyay Hospital
New Delhi |
| 100. | Infant feeding practices with special reference to exclusive breastfeeding for first six months - an intervention study | Ms. Vandana Sabharwal
Institute of Home Economics
New Delhi |
| 101. | Development of card based kit for rapid detection of aflatoxin in food stuff | Sh. Faraz Rashid
Jamia Hamdard
(Hamdard University)
New Delhi |
| 102. | Analysis of mutation in sry gene and chromosomal anomalies in infertile patients and its clinical importance | Sh. Mohammad Shahid
Jamia Milia Islamia
New Delhi |
| 103. | Development of counseling module for nutritional, lifestyle and psychosocial management of patients with type 1 diabetes | Ms. Sonia Kakar
Lady Irwin College
New Delhi |
| 104. | DNA and liver vector based immunocontraceptive vaccine | Dr. Sangeeta Choudhury
National Institute of Immunology
New Delhi |
| 105. | A study to evaluate deficits of FSH & testosterone signal transductions in the Sertoli cells of infant rats in the phase of adequate hormones for determining causes of some forms of idiopathic male infertility | Dr. Jibanananda Mishra
National Institute of Immunology
New Delhi |
| 106. | Evaluation of the effects of various intervention strategies to counteract damages induced in the testis due to cryptorchidism: studies in rats | Sh. Mukesh Kumar
National Institute of Health and Family Welfare
New Delhi |
| 107. | Androgen and estrogen receptor expression in male rats during transition from repubertal to adulthood : modulation following hormonal intervention | Mr. Mahesh Kaushik
National Institute of Health and Family Welfare
New Delhi |
| 108. | Characterization of an antimicrobial compound from a lactic acid bacterium for application in food safety | Sh. Santosh Kumar Tiwari
University of Delhi
South Campus
New Delhi |

109.	Estimation of serum magnesium in normal pregnancy as a predictor of gestational hypertension	Smt. Usha Kumari Patna Medical College and Hospital Patna
110.	Investigating activation of NAD(P)H oxidase and characterization of its components in the implanting embryos	Sh. Rajesh Kumar Jha Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram
111.	Identification of potential interacting partners of transcription factor state during embryo implantation	Ms. Shiny Titus Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram
112.	Characterization of NOX-5 in mouse spermatozoa and its assembly with photoregulatory elements	Dr. Sunita Agnihotri Rajiv Gandhi Centre for Biotechnology
113.	Dietary antioxidants in habitual foods of different population groups and the prevalence of coronary heart disease risk factors	Dr. K. Kodanda Reddy Sri Venkateswara University Tirupati
114.	Glycaemic response to selected pulse based products	Ms. Shalini Sharma Government Meera Girls' College Udaipur
115.	Effect of nutrition and lifestyle intervention programme on atherogenic profile of patients and increased risk of cardiovascular disease	Ms. Ankur Singh Government Meera Girls' College Udaipur
116.	<i>In vitro</i> studies of the embryos of <i>Scotophilus heathi</i> and <i>Cynopterus sphinx</i>	Ms. Anjana Tiwari Banaras Hindu University Varanasi
117.	Effect of some medicinal plants with anti-diabetic potential on male reproductive health and pregnancy outcome	Ms. Akanksha Singh Banaras Hindu University Varanasi
Non-communicable Diseases		
118.	To delineate biochemical changes due to oxidative stress induced cataract formation : <i>In vitro</i> and <i>in vitro</i> study	Sh. Dearshi Urvis Gajjar Illadevi Cataract and IOL Research Centre Ahmedabad
119.	Chlorpyrifos toxicokinetics in acute poisoning cases	Sh. Ramavati Ramsevak Pal National Institute of Occupational Health Ahmedabad
120.	Electromyographic and biomechanical analysis of VDU operators in relation to postdural stress and musculoskeletal discomfort	Ms. Era Poddar National Institute of Occupational Health Ahmedabad

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| 121. | Role of environmental chemicals in human male reproductive system | Sh. Minal Devendra Mankad
National Institute of Occupational Health
Ahmedabad |
| 122. | Carcinoma of the breast: evaluation of risk factors and biomarkers | Sh. R.Kumuraguruparan
Annamalai University
Annamalai Nagar |
| 123. | Combination chemoprevention of hamster buccal pouch carcinogenesis by bovine milk lactoferrin and tea polyphenols | Sh. K.V.P. Chandra Mohan
Annamalai University
Annamalai Nagar |
| 124. | Effect of melatonin and α -ketoglutarate on biochemical circadian rhythms (<i>in vivo</i> and <i>in vitro</i>) in hepatocellular carcinoma | Sh. Kadiyala Babu Dakshayani
Annamalai University
Annamalai Nagar |
| 125. | A study of serum her-2/neu expression in carcinoma breast along with other prognostic factors like CEA, CA 15-3 and tissue telomerase activity | Sh. Thrivenik Bhat
Kidwai Memorial Institute of Oncology
Bangalore |
| 126. | Homocystein metabolism: a study in cerebral venous thrombosis | Sh. Pinnelli Venkata Bharat Kumar
National Institute of Mental Health and Neurosciences
Bangalore |
| 127. | A hospital based study on progressive and regressive changes in oral precancerous lesions | Dr. Binti A Jhuraney
National Tuberculosis Institute
Bangalore |
| 128. | Role of zinc and selenium in arsenic toxicity: an experimental and environmental study | Sh. Ashok Kumar
Panjab University
Chandigarh |
| 129. | Studies on biochemical mechanisms of carbofuran neurotoxicity | Sh. Amit Kamboj
Panjab University
Chandigarh |
| 130. | Influence of loss of heterozygosity of the Wilm's tumour suppressor gene (wt1) on expression of IGF-2, IGF-1, IGF-beta 1 and angiogenic factors in DCIS and infiltrating breast carcinoma | Sh. Sachin Gupta
Postgraduate Institute of
Medical Education and Research
Chandigarh |
| 131. | Effect of polychlorinated biphenyl (Aroclor 1254) on Leydig cell steroidogenesis and beneficial effects of vitamin supplementation | Sh. Murugesan Palaniappan
Dr. A.L. Mudaliar P.G. Institute of
Basic Medical Sciences
University of Madras
Chennai |
| 132. | Activation of WNT signal transduction target genes, cyclin D1 and CD44 and its role in <i>Helicobacter pylori</i> - induced gastric neoplasia | Sh. Udhaya Kumar Gopal
University of Madras
Chennai |

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| 133. | Effect of histone h1 on cell mediated immune response in experimental breast cancer | Ms. Ganapati Vani
University of Madras
Chennai |
| 134. | A randomised double controlled comparative study of continuous paravertebral block and continuous epidural analgesia for post operative pain relief in hip surgeries | Dr. Pankaj N. Surange
Base Hospital
Delhi |
| 135. | To identify predictors of relapse in alcohol dependence syndrome in relation to life events | Dr. Shubhra
Base Hospital
Delhi |
| 136. | Clinical study of operative conditions and hemodynamic response in cholecystectomy in general anaesthesia <i>versus</i> combined spinal epidural anaesthesia technique | Dr. Pallavi Kwatra
Hindu Rao Hospital
Delhi |
| 137. | Role of emotional intelligence in psychosocial problems and coping strategies among the children and spouses of alcoholism patients | Dr. Vinod Kumar Shanwal
Institute of Human Behaviour and Allied Sciences
Delhi |
| 138. | Pesticide induced oxidative stress and immunotoxicity : mode of attenuation by certain drugs | Sh. Sanvidhan Suke
University College of Medical Sciences and Guru Teg Bahadur Hospital
Delhi |
| 139. | Role of free radicals in functional changes in vascular responsiveness on mercury exposure in rabbits | Ms. Swati Omanwar
Vallabhbhai Patel Chest Institute
Delhi |
| 140. | Study of quenosine modification in tRNA during tumor growth in mice | Sh. Chandramani Pathak
Jiwaji University
Gwalior |
| 141. | Studies on oxidative DNA damage induced by organophosphate pesticides, chlorpyrifos and parathion in rats and search of a suitable biomarker | Sh. Radhey Shyam Verma
Jiwaji University
Gwalior |
| 142. | A study of some genetic risk factors in premature cardiovascular disease | Sh. V.V. Ravi Kanth
Institute of Genetics and Hospital for Genetic Diseases
Hyderabad |
| 143. | Anti-angiogenic role of T11TS/SLFA-3 in brain tumor abrogation | Smt. Chandra Banerjee
Dr. B.C. Roy Postgraduate Institute of Basic Medical Sciences
Kolkata |
| 144. | Oxidative injury in cerebral diseases | Dr. Sibani Sarkar
Indian Institute of Chemical Biology
Kolkata |

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| 145. | Chromosomal aberrations and sister chromatid exchanges in the symptomatic individuals exposed to arsenic through drinking water in West Bengal | Ms. Julie Mahata
Indian Institute of Chemical Biology
Kolkata |
| 146. | Assessment of oxidative stress on male reproductive function after chronic arsenic exposure | Smt. Subarna Roy Gupta
Regional Occupational Health Centre
(Eastern)
Kolkata |
| 147. | Study of the effect of antiulcer active principle isolated from <i>Neem bark</i> extract on gastric mucosal apoptosis induced by indomethacin and reactive oxygen intermediate | Sh. Pallab Ray
Central Drug Research Institute
Lucknow |
| 148. | To investigate the role of nitric oxide, apoptosis and mitochondria in the experimental models of Parkinson's disease | Ms. Sarika Singh
Central Drug Research Institute
Lucknow |
| 149. | Studies on the effect of dapsone on aflatoxin B1-initiated hepatocarcinogenesis and its modulation | Ms. Seema Kumari
Central Drug Research Institute
Lucknow |
| 150. | Cellular and molecular mechanisms of heat shock proteins in isochemical reperfusion injury | Ms. Namrata Manhas
Central Drug Research Institute
Lucknow |
| 151. | Environmental monitoring and occupational health status of workers in asbestos-cement based industries : an epidemiological and cytogenetic approach | Sh. Furquan Ahmad Ansari
Industrial Toxicology Research Centre
Lucknow |
| 152. | Isolation, characterization and applicability of bacterial strains from earthworm gut in endosulfan metabolism | Smt. Kiran Verma
Industrial Toxicology Research Centre
Lucknow |
| 153. | Neuro-genotoxicity assessment of co exposure of lead and ethanol: an <i>in vitro</i> study | Ms. Santosh Yadav
Industrial Toxicology Research Centre
Lucknow |
| 154. | Imprinting of cerebral and hepatic cytochrome P450s (CYPS) in rat offsprings following prenatal exposure of indane | Sh. Ashu Johri
Industrial Toxicology Research Centre
Lucknow |
| 155. | Flow cytometric and cytogenetic analysis of cancer cervix | Dr. Madhulika Singh
Industrial Toxicology Research Centre
Lucknow |
| 156. | Cancer chemopreventive properties of resveratrol : a mechanistic approach | Ms. Neetu Kalra
Industrial Toxicology Research Centre
Lucknow |

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| 157. | A study on modulation of proinflammatory cytokines and anti-oxidative profile in experimental arthritis by <i>Nyctanthes arbor tirstis</i> | Sh. Brijesh Rathore
K.G's Medical University
Lucknow |
| 158. | Genetic association studies for susceptibility to gallstone disease | Ms. Charulata Jindal
K.G's Medical University
Lucknow |
| 159. | A pilot study to assess the popularity, effectiveness and adverse effects of various complementary and alternative medicines (CAN) tried by patients with advanced gastrointestinal tract malignancy in northern India | Sh. Sanjoy K. Pal
Sanjay Gandhi Postgraduate Institute of
Medical Sciences
Lucknow |
| 160. | Genetic polymorphism in patients with calcium oxalate urolithiasis | Sh. Hemant Kumar Bid
Sanjay Gandhi Postgraduate Institute of
Medical Sciences
Lucknow |
| 161. | Laser spectroscopic and biochemical investigations on clinical samples in cancer of human uterine cervix | Sh. M.S. Chidananda
Manipal Academy of Higher Education
Manipal |
| 162. | A comparative evaluation of gingival crevicular blood glucose levels and periodontal status in office screening test | Dr. Rohit Mishra
J.S.S. Medical College
Mysore |
| 163. | Study of patho-physiology of simple writer's cramp using neuro-physiological methods | Dr. Chanchal Goyal
All India Institute of Medical Sciences
New Delhi |
| 164. | Role of acyclovir - prednisolone combination in treatment for Bell's palsy | Dr. Foujia Shireen Hakeem
All India Institute of Medical Sciences
New Delhi |
| 165. | Role of transforaminal epidurography in diagnosis and management of failed back surgery syndrome | Dr. Mamta Khandelwal
All India Institute of Medical Sciences
New Delhi |
| 166. | An analytical perspective of missing data analysis in clinical trial of thyroid cancer | Sh. Prem Chandra
All India Institute of Medical Sciences
New Delhi |
| 167. | A study of risk factors for cancer of the pancreas | Dr. Shallu
All India Institute of Medical Sciences
New Delhi |
| 168. | Genetic and metabolic investigations in obstructive sleep apnea syndrome | Sh. Bharat Bhushan
All India Institute of Medical Sciences
New Delhi |

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| 169. | Assessment of alcohol and tobacco abuse in adolescent children in government schools in the National Capital Territory of Delhi | Ms. Vinita Singh
All India Institute of Medical Sciences
New Delhi |
| 170. | c667t and a 1298c mutations in methylene tetra hydrofolate reductase gene in patients with myocardial infarction in comparison with healthy controls | Dr. Mukta Sharma
All India Institute of Medical Sciences
New Delhi |
| 171. | Effect of antioxidant supplementation on pain, antioxidant profile and oxidative stress in chronic pancreatitis | Smt. Payal Bhardwaj
All India Institute of Medical Sciences
New Delhi |
| 172. | Study of clinico-pathological and immune profile of patients of chronic invasive fungal sinusitis | Ms. Nidhi Mahajan
All India Institute of Medical Sciences
New Delhi |
| 173. | Response of glioblastoma cell lines to chemotherapeutic agents, with reference to molecular indicators of genomic instability in normoxic and hypoxic condition | Sh. S. Chinnadural
All India Institute of Medical Sciences
New Delhi |
| 174. | A study of the expression of II-13 and II-4 receptors in primary meningeal tumors | Sh. Sachin Puri
All India Institute of Medical Sciences
New Delhi |
| 175. | Sentinal node staging of early breast cancer (TNM-stage-T 1&2, NO) using lymphoscintigraphy and gamma detecting probe | Dr. Vikas Sood
Army Hospital (Research & Referral)
New Delhi |
| 176. | p-glycoprotein expression in relation to 99m technetium tetrofosmin mammoscintigraphy in patients with breast cancer and assessment of torfemifene as a modulator of multidrug resistance in patients with breast cancer | Dr. Mohammed Umar Siddiqui
Army Hospital (Research & Referral)
New Delhi |
| 177. | Comparison of the changes in foveal avascular zone before and after 532nm ND-YAG macular grid laser photocoagulation in cases of clinically significant macular edema | Dr. Aditya Verma
Army Hospital (Research & Referral)
New Delhi |
| 178. | Prospective randomized controlled clinical trial comparing the outcomes of preoperative biliary decomposition versus surgery alone in malignant obstructive jaundice with serum bilirubin level of > 10mg% | Dr. Manish Nanda
Army Hospital (Research & Referral)
New Delhi |
| 179. | A comparative study of restanosis rate in bare metal and drug eluting stents | Dr. Shilpi Mohan
Army Hospital (Research & Referral)
New Delhi |

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| 180. | Comparative study of clinical profile in cancer breast in premenopausal and post menopausal age groups and of responses and efficacy of various treatment regimens in ERPR negative groups in terms of 5 years survival | Dr. Rahul Sharma
Army Hospital (Research & Referral)
New Delhi |
| 181. | Carcinoma oesophagus : results of multimodality treatments | Mr. Mukurdipi Ray
Army Hospital (Research & Referral)
New Delhi |
| 182. | Clinicopathological presentation management and survival pattern in carcinoma gall bladder | Dr. Baljinder Kaur Kahlon
Army Hospital (Research & Referral)
New Delhi |
| 183. | A study of the plasma homocysteine levels and methylenetetrahydrofolate reductase (MTHFR) c677T polymorphism as a risk factor in coronary artery diseases in Indians | Dr. Santosh Kumar Gupta
Army Hospital (Research & Referral)
New Delhi |
| 184. | Assessment of the protocol for evaluation of patients with bilateral profound sensorineural hearing loss | Dr. Vipin Kakar
Army Hospital (Research & Referral)
New Delhi |
| 185. | To evaluate and compare the efficacy between laryngeal mask airway-classic, laryngeal mask airway-proseal and the endotracheal tube in patients undergoing diagnostic gynaecologic laproscopic surgery | Dr. Pratyush Gupta
Army Hospital (Research & Referral)
New Delhi |
| 186. | Pretreatment with thiopental : prevention of pain associated with propofol injection | Dr. Ajay Kumar
Army Hospital (Research & Referral)
New Delhi |
| 187. | A comparative study of click evoked otoacoustic emissions and distortion product otoacoustic as a screening tool for noise induced hearing loss | Dr. Abhijeet Bhatia
Army Hospital (Research & Referral)
New Delhi |
| 188. | Prospective long term assessment of cochlear implantation in prelingually deaf children done in army hospital (R&R) in terms of threshold (T) and maximum comfort (C) levels and speech perception developments | Dr. V. Natesh
Army Hospital (Research & Referral)
New Delhi |
| 189. | Evaluation of intraoperative acute normovolemic hemodilution (ANH) in open heart surgeries | Dr. Tasskin Rehman Hazarika
Army Hospital (Research & Referral)
New Delhi |
| 190. | Study of efficacy of CO2 laser surgery in the management of oral-pharyngeal and laryngeal lesions | Dr. Nirupam Awasthi
Army Hospital (Research & Referral)
New Delhi |

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| 191. | Comparative evaluation of conjunctival autograft versus limbal graft in the surgery of primary pterygium | Dr. Shuchi Verma
Army Hospital (Research & Referral)
New Delhi |
| 192. | Evaluation of endoscopic sinus surgery with and without partial middle turbinate resection in patients of chronic sinusitis | Dr. Meena Chaudhari
Dr. Ram Manohar Lohia Hospital
New Delhi |
| 193. | Study of candidate genes associated with breast cancer susceptibility | Ms. Anurupa Chakraborty
Institute of Pathology
New Delhi |
| 194. | Studies on the regulatory role of hyaluronan binding protein-1 (HABP-1) on cell migration and its downstream signalling | Ms. Mansi Prakash
Jawaharlal Nehru University
New Delhi |
| 195. | Radiomodulation by bibenzimidazole | Smt. Zubaida Khatoon
Jawaharlal Nehru University
New Delhi |
| 196. | Indicators of psychopathology on the Rorschach ink blot test : a normative study on the Indian population | Ms. Vandana Janveja
University of Delhi
South Campus
New Delhi |
| 197. | Evaluation of single stage ossicular chain reconstruction in patients operated for chronic suppurative otitis media | Dr. Anita Tapanwal
Vardhman Mahavir Medical College & Safdarjung Hospital
New Delhi |
| 198. | To study the role of mitomycin C in preventing adhesion formation following endoscopic sinus surgery | Dr. Manish Gupta
Vardhman Mahavir Medical College & Safdarjung Hospital
New Delhi |
| 199. | Evaluation of results of obliterating mastoid cavity using vascularized temporalis myofascial flap with open cavity mastoid operations | Dr. Sunita Sanehi
Vardhman Mahavir Medical College & Safdarjung Hospital
New Delhi |
| 200. | Pharmacogenomics of selected genes in upper serodigestive tract cancers in a South Indian population | Ms. Soya Sisy Sam
Jawaharlal Institute of Postgraduate Medical Education and Research
Pondicherry |
| 201. | Studies on the molecular mechanism of osteopontin regulated pormatrix metalloproteinase-9 activation and tumor growth | Ms. Hema Rangaswami
National Centre for Cell Sciences
Pune |
| 202. | Germline mutation analysis of BRCA2 gene in hereditary breast ovarian cancer families in Kerala | Ms. S. Vani
Regional Cancer Centre
Thiruvananthapuram |

203. Role of xenobiotic metabolizing gene polymorphism in lung cancer susceptibility
Ms. L. Sreeja
Regional Cancer Centre
Thiruvananthapuram
204. Role of curcumin on the regulation of telomerase activity in lymphoma/leukemia cells
Sh. Vijendra Kumar Mishra
Banaras Hindu University
Varanasi
205. Retinoid metabolism during development of liver cirrhosis
Sh. N. Sathish Kumar
Christian Medical College and Hospital
Vellore

Basic Medical Sciences

206. Genomic diversity in leprosy bacillus
Ms. Malika Lavania
National JALMA Institute for Leprosy and Other Mycobacterial Diseases
Agra
207. Hepatoprotective effect of andrographolide on liver cancer
Smt. Neha Pravinbhai Trivedi
Gujarat University
Ahmedabad
208. Chemical investigation, extraction, standardization and pharmacological analysis of three medicinal plants *i.e.* *Diospyros montana*, *Ficus lyrata* and *Xylosma longifolium*
Dr. Rakesh Kumar
Aligarh Muslim University
Aligarh
209. Allele specific sequencing of human mu opiate receptor: genetic correlation with opiate use and abuse
Sh. Shashwat Sharad
Allahabad Agricultural Institute
Allahabad
210. Studies on the isolation and mechanism of action of hypoglycemic compound(s) from *Murraya koengii*
Sh. Achyut Narayan Kesari
Allahabad Agricultural Institute
Allahabad
211. Comparative effects of fenugreek (*Trigonella foenum graecum*) seed polyphenols and (-) epigallocatechin gallate (EGCG) on ethanol-induced liver damage in rats
Sh. Kaviarasan Subramanian
Annamalai University
Annamalai Nagar
212. Evaluation of chemopreventive potential of *Jasminum grandiflorum* linn. (*jathi malli*) in 7, 12-dimethylbenz (a) anthracene induced mammary carcinogenesis
Sh. K. Kolanjiappan
Annamalai University
Annamalai Nagar
213. Studies on bioavailability enhancement of albendazole by solid dispersion and cyclodextrin-complexation techniques for the effective treatment of parenteral stages of human and veterinary helminthiases
Sh. R. Kalaiselvan
Annamalai University
Annamalai Nagar

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| 214. | Evaluation of the chemopreventive efficacy of ethanolic <i>neem</i> leaf extract and its constituents on experimental gastric carcinogenesis in Wistar rats | Ms. R. Subapriya
Annamalai University
Annamalai Nagar |
| 215. | Modulatory effect of piperine on lipid metabolism in hypercholesterolemic rats | Sh. R.S. Vijayakumar
Annamalai University
Annamalai Nagar |
| 216. | Biochemical and physiological effects of exogenous recombinant leptin on hepatic fibrogenesis induced by chronic alcohol supplementation | Sh. Vairappan Balasubramanian
Annamalai University
Annamalai Nagar |
| 217. | Antidiabetic and antioxidant effect of pterostilbene on streptozotocin induced diabetic rats | Sh. M. Amarnath Satheesh
Annamalai University
Annamalai Nagar |
| 218. | Effect of naringin on isoproterenol induced myocardial infarction in rats | Sh. Murugan Rajadurai
Annamalai University
Annamalai Nagar |
| 219. | Effect of ursolic acid on chronic-ethanol induced toxicity in rats | Sh. R Saravanan
Annamalai University
Annamalai Nagar |
| 220. | Effect of umbelliferone (7-hydroxycoumarin) on glycaemic control in normal and streptozotocin-induced diabetic rats | Sh. Ramesh Balakrishnan
Annamalai University
Annamalai Nagar |
| 221. | Isolation and characterization of active principle from <i>Casearia esculenta</i> (roxb.) root and its effect on glycaemic control in normal and streptozotocin induced diabetic rats | Sh. Chandramohan
Annamalai University
Annamalai Nagar |
| 222. | Screening of some halophytes and mangroves for antimicrobial activity | Sh. Chandramohan Govindasamy
Annamalai University
Annamalai Nagar |
| 223. | Neuro and psychopharmacological studies of <i>Enhydrina schistosa</i> venom, its photooxidised venom product and screening of herbal drugs for antivenom property | Sh. S.R. Fattepur
Al-Ameen College of Pharmacy
Bangalore |
| 224. | Evaluation of ginsenosides andrographolide and POVRVP for their beneficial effects in diabetic related complications using diabetogenic and hyperinsulinemic animal models | Sh. Anil Kumar M. Dandu
Al-Ameen College of Pharmacy
Bangalore |
| 225. | Formulation and evaluation of microspheres of ketoprofen and ketorolac tromethamine for controlled release | Sh. Sam Thomarayiet Mathew
Al-Ameen College of Pharmacy
Bangalore |

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| 226. | Oral delivery of cyclosporin G, an immunosuppressive peptide by entrapment as liposomes and nanoparticles | Smt. K.V. Sandhya
Al-Ameen College of Pharmacy
Bangalore |
| 227. | Formulation and clinical evaluation of ultradeformable liposomes in the treatment of psoriasis | Ms. Vanaja Kenchappa
Al-Ameen College of Pharmacy
Bangalore |
| 229. | Molecular modulation of hyperlipidemia induced oxidative stress and LDL receptor expression by <i>Dunaliella salina</i> derived beta-carotene | Sh. Sanjiv Dhingra
Panjab University
Chandigarh |
| 230. | Studies on lactase expression and glycosylation in developing rat intestine | Ms. Kamaljit Kaur
Panjab University
Chandigarh |
| 231. | Studies on comparative phytochemistry and toxicological effects of different varieties of <i>Lantana camara</i> var. <i>aculeate</i> feeding to guinea pigs | Sh. Rajesh Sehgal
Panjab University
Chandigarh |
| 232. | Role of neurofilament phosphorylation in chronic aluminium neurotoxicity in rat | Ms. Amarpreet Kaur
Postgraduate Institute of Medical
Education and Research
Chandigarh |
| 233. | Role of CREB phosphorylation and muscarinic signal transduction in dichlorvas induced memory deficits | Sh. S.K. Verma
Postgraduate Institute of Medical
Education and Research
Chandigarh |
| 234. | Neuroprotective effect of <i>Bacopa monniera</i> extract on ischemia-reperfusion induced brain injury | Sh. M.K. Saraf
Postgraduate Institute of Medical
Education and Research
Chandigarh |
| 235. | Detection of most common mutation (his 1069g 1n) in Wilson disease by PCR based RFLP technique: correlation between lymphocyte cuatpase activity and their phenotypes | Sh. Sandeep Kumar
Postgraduate Institute of Medical
Education and Research
Chandigarh |
| 236. | Effect of garlic and carotenoids on oxidative stress due to isoniazid and rifampicin in rat liver | Sh. Ravinder Pal
Postgraduate Institute of Medical
Education and Research
Chandigarh |
| 237. | To evaluate the expression of perforin, granzyme B and fas ligand in the peripheral blood as a non-invasive diagnostic tool for acute renal allograft rejection | Ms. Shiwali Karnal
Postgraduate Institute of Medical
Education and Research
Chandigarh |

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| 238. | Utilization of plant derived antioxidants for designing safer NSAIDS - prodrugs of diclofenac | Ms. Benu Manon
University Institute of Pharmaceutical Sciences
Chandigarh |
| 239. | Design and development of lantadenes as antitumor agent | Sh. Manu Sharma
University Institute of Pharmaceutical Sciences
Chandigarh |
| 240. | Design and development of prodrugs of tea polyphenols as potential anticancer agents | Sh. Sandeep Vyas
University Institute of Pharmaceutical Sciences
Chandigarh |
| 241. | Cytotoxic effect of polychlorinated hydrocarbons (PCHS)-perchloroethylene and the protective potential of <i>Terminalia chebula</i> retz., (botanical) with reference to tocopherol | Sh. Shunmugam Saravanan
Captain Srinivasamurthy Drug Research Institute for Ayurveda
Chennai |
| 242. | Development of peptide (GHK) incorporated collagenous material for the treatment of wound healing process | Sh. V. Arul
Central Leather Research Institute
Chennai |
| 243. | Peptide vaccine against a beta protofibrils for Alzheimer's disease (AD) | Sh. S. Dhandayuthapani
Central Leather Research Institute
Chennai |
| 244. | A study towards molecular screening in women with PCOD from Chennai base population - Estimation of ob protein (serum leptin), ob mRNA expression in obese subjects | Sh. M. Ravishankar Ram
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai |
| 245. | Modulatory role of <i>Centella asiatica</i> on age related alterations in neurotransmitter levels and apoptosis in rat brain | Sh. M. Balu
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai |
| 246. | Modulatory role of <i>Centella asiatica</i> on age related alterations in neurotransmitter levels and apoptosis in rat brain | Ms. M. Subathra
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai |
| 247. | Therapeutic intervention of I-carnitine and dl alpha lipoic acid on aggregation of amyloid beta protein and associated pathogenesis during aging with special reference to Alzheimer's disease | Ms. M. Anusuya Devi
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai |

248. Contribution of connexin 26 mutations in childhood deafness of Indian population
Ms. Sankarathi B. Mehanathan
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
249. Therapeutic efficacy of propolis along with paclitaxel against 7, 12 - dimethyl benz (a) anthracene induced experimental breast cancer in female
Ms. R. Padmavathi
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
250. Chemopreventive and therapeutic effect of soybean isoflavone genistein in human hepatocellular carcinoma cell culture and in experimental hepatocellular carcinoma
Ms. Dechen Chodon
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
251. Effect of *Ocimum sanctum* on noise induced alterations in brain free radical scavenging enzymes and neurotransmitters
Sh. J. Samson
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
252. Impact of *Terminalia arjuna* linn on proliferation, differentiation and mineralization of rat bone marrow stem cells and human osteoblast like cells
Ms. S. Veni
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
253. A study on the imbalance between the expression and activity of inducible and endothelial nitric oxide synthases (NOS) under oxalate stress condition and its potential impact on the expression of tamm horsfall
Sh. Pragasam Viswanathan
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
254. Evaluation of cytoprotective efficacy of pentacyclic triterpene and its ester against cyclophosphamide induced cardiotoxicity
Sh. P.T. Sudharsan
Dr. A.L. Mudaliar P.G. Institute of Basic Medical Sciences
University of Madras
Chennai
255. Evaluation of chemopreventive potential of two medicinal plants in 1,2-dimethyl hydrazine induced colon carcinogenesis in male albino rats
Sh. Arul Albert Basker
Entomology Research Institute
Chennai
256. Evaluation of antidiabetic activity of *Abelmoschus esculentus* and *Marsilea quadrifolia* in streptozotocin induced diabetic male Wistar rats
Sh. Subash Babu Pandurangan
Entomology Research Institute
Chennai

257. Construction of a novel shuttle vector system for enhanced expression of *Mycobacterium tuberculosis* antigens
Ms. C. Mani
Tuberculosis Research Centre
Chennai
258. Design and development of iron (iii) hexacyanoferrate based amperometric sensor electrode for estimation of reduced glutathione in clinical samples
Sh. S.M. Senthil Kumar
University of Madras
Chennai
259. Efficacy of *Centella asiatica* as a free radical scavenger and on the fate of heat shock protein during adriamycin induced myocardial injury
Sh. A. Ganapragasam
University of Madras
Chennai
260. Molecular mechanism of action of *Holarrhena antidysenterica* against enteropathogenic *Eschrichia coli*
Ms. D. Kavitha
University of Madras
Chennai
261. Antiulcer activity of *Pterocarpus santalinus* (red sandal wood) on experimental gastric ulcer-an *in vivo* and *in vitro* study
Ms. Shoba Narayan
University of Madras
Chennai
262. Gastroprotective effect of *Terminalia arjuna* on gastric ulcer-an experimental study
Ms. R.S. Devi
University of Madras
Chennai
263. To study the role of molgramostim {granulocyte macrophage colony stimulating factor (GM-CSF)} in enhancing the seroconversion post hepatitis-B vaccination in cases of leukemias and lymphomas in pediatric age
Dr. Manish Mannan
Base Hospital
Delhi
264. Evaluation of neuroprotective role of *Hypericum perforatum* extract in global cerebral ischemia in mice
Sh. D. Kumaran
Dr. B.R. Ambedkar Centre for Biomedical Research
University of Delhi
Delhi
265. Biochemical studies on the antidiabetic effect and mechanism of action of *Terminalia chebula* in experimental animals
Sh. Y. Murali Krishna
Dr. B.R. Ambedkar Centre for Biomedical Research
University of Delhi
Delhi
266. A search for some new anti-tumor drugs based upon the natural alkaloid-noscapine
Ms. Neerupma Dhiman
Dr. B.R. Ambedkar Centre for Biomedical Research
University of Delhi
Delhi
267. Synthesis and characterization of antisense oligonucleotides for gene targeted anticancer therapy
Sh. Atul Pathak
Institute of Genomics and Integrative Biology
Delhi

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| 268. | Detailed studies on mechanism of action of the hypoglycemic compounds obtained from the bark of <i>Ficus bengalensis</i> | Ms. Shweta Gupta
University College of Medical Sciences
and Guru Teg Bahadur Hospital
Delhi |
| 269. | Biochemical and biophysical investigations of structural polymorphisms in β 2-adrenergic receptor | Sh. Pallav Bhatnagar
University of Delhi
Delhi |
| 270. | Evaluation of the mechanism of action of aspirin as a cardioprotective agent in experimentally-induced hypercholesterolemic rats | Sh. Mohammad Tauseef
Vallabhbhai Patel Chest Institute
Delhi |
| 271. | Remote preconditioning-protects the myocardium from reperfusion injury | Sh. Mohd. Shahid
Vallabhbhai Patel Chest Institute
Delhi |
| 272. | Studies on the role of acetoxy drug, protein transacetylase of human placenta in the modifications in the development of therapeutic agents against hormone sensitive cancers | Ms. Seema
Vallabhbhai Patel Chest Institute
Delhi |
| 273. | Role of oxidative stress in the induction of bronchial hyper responsiveness and its modulation by dietary antioxidant vitamin C and E in guinea pigs | Ms. Sujata Upadhyay
Vallabhbhai Patel Chest Institute
Delhi |
| 274. | Therapeutic effectiveness of propolis extract and its active principle against carbon tetrachloride induced liver damage in rats | Ms. Monika Bhadauria
Jiwaji University
Gwalior |
| 275. | Therapeutic effectiveness of propolis extract and its active principle against carbon tetrachloride induced liver damage in rats | Dr. Anjana Jadon
Jiwaji University
Gwalior |
| 276. | Role of nutritional supplements along with chelating agents against aluminium induced toxicity : <i>in vitro</i> and <i>in vivo</i> approach | Dr. Sadhana Shrivastava
Jiwaji University
Gwalior |
| 277. | Psychopharmacological investigations on the benefits of Indian systems of medicine in the modulation of mental dysfunctions | Sh. M. Vasudevan
Guru Jambheshwar University
Hissar |
| 278. | Role of calcium and calpain (calcium-activated cysteine protease) in Duchenne muscular dystrophic cell death: an insight into apoptosis | Sh. J. Shanmuga Sundaram
Institute of Genetics and Hospital for
Genetic Diseases
Hyderabad |
| 279. | An evaluation of genetic and molecular factors contributing to premature ovarian failure in Indian population | Sh. G. Jaya Prakash
Institute of Genetics and Hospital for
Genetic Diseases
Hyderabad |

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| 280. | Epidemiology and genetics of dilated cardiomyopathy | Ms. Boda Ushashree
Institute of Genetics and Hospital for Genetic Diseases
Hyderabad |
| 281. | Studies on activation of neutrophils by galectin-1 | Sh. R.K. Gupta
Devi Ahilya Vishwavidyalaya
Indore |
| 282. | Functional characterization of human serum lectins | Sh. Krishna Chaitanya Gulla
Devi Ahilya Vishwavidyalaya
Indore |
| 283. | Investigation on some Indian medicinal plants for anti-fibrotic activity | Sh. T.A. Sheikh
Regional Research Laboratory (CSIR)
Jammu Tawi |
| 284. | Investigations on anti-allergic / anti-asthmatic activity of <i>Allium cepa</i> | Ms. Kesar Jehan Peerzada
Regional Research Laboratory (CSIR)
Jammu Tawi |
| 285. | Studies on a human placental bioactive sphingolipid mediated signal transduction in order to establish its role on the pigment recovery in vitiligo | Sh. Suman Kumar Singh
Indian Institute of Chemical Biology
Kolkata |
| 286. | Purification and characterisation of toxins from Russel's viper venom of Eastern Indian origin | Ms. Gargi Maly
Indian Institute of Chemical Biology
Kolkata |
| 287. | Study of health status and health maintenance among communities of Cachar district, Assam: comparison between eco-zones | Smt. Sujata Kar
Indian Statistical Institute
Kolkata |
| 288. | Molecular basis of inhibition of experimental hepatocarcinogenesis by <i>Frianthema portulacastrum</i> linn | Ms. Mitali Basu
Jadavpur University
Kolkata |
| 289. | A new approach against cancer through chemoimmunotherapy | Sh. Shovanlal Gayen
Jadavpur University
Kolkata |
| 290. | Study of the potential of antisense insulin-like growth factor (IGF2) phosphorothioate oligomers as a future drug for liver cancer | Smt. Sharma Ghosh
Jadavpur University
Kolkata |
| 291. | Screening, characterization and production of novel antibiotics from marine actinomycetes isolated from the deltaic Sundarbans | Sh. Malay Saha
Jadavpur University
Kolkata |

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| 292. | Production and purification of clinically important enzymes and enzyme inhibitors produced by marine microorganisms of the deltaic Sundarbans | Sh. Barindra Sana
Jadavpur University
Kolkata |
| 293. | Exploring herbal antioxidant formulations from Indian system of medicine | Sh. S.R.M. Singh Rai
Jabalpur University
Kolkata |
| 294. | Studies on the biochemical effects of food additive (erythrosine B) in relation to brain serotonergic system and immune response | Sh. Arindam Dalal
University College of Science
Kolkata |
| 295. | Study of acute leukemia | Sh. Bama Charan Mondal
University College of Science
and Technology
Kolkata |
| 296. | Structural and functional evaluation of cardioactive factor(s) Cobra (<i>Ophiophagus hannah</i>) venom | Dr. Archita Saha
University College of Science
and Technology
Kolkata |
| 297. | Development of adaptogenic and immunomodulatory agents from Indian medicinal plant <i>Tinospora sinensis</i> and <i>Evolvulus alsinoides</i> | Sh. Prasoon Gupta
Central Drug Research Institute
Lucknow |
| 298. | Oral delivery of peptides with improved bioavailability | Sh. Vure Prasad
Central Drug Research Institute
Lucknow |
| 299. | A study on the role of cyclooxygenase-2 in healing of gastric ulcer in rodents | Ms. Poonam Dharmani
Central Drug Research Institute
Lucknow |
| 300. | Molecular and cellular mechanisms of neuroprotective effect of neurotrophins following cerebral ischaemia/reperfusion injury | Sh. Rishi Sharma
Central Drug Research Institute
Lucknow |
| 301. | Proteome analysis and characterization of cell-wall antigens of <i>Aspergillus fumigatus</i> and monoclonal antibodies production for their role as immunotherapeutics | Sh. Ashok Kumar Chaturvedi
Central Drug Research Institute
Lucknow |
| 302. | Testing teratogenicity by rat whole embryo culture | Sh. Gyanendra Singh
Central Drug Research Institute
Lucknow |
| 303. | Evaluation of novel therapeutic molecules against latent tuberculosis | Dr. Shalini Bhatnagar
Central Drug Research Institute
Lucknow |

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| 304. | Current approaches towards nephrotoxicity testing : an analysis | Ms. Diva Shukla
Central Drug Research Institute
Lucknow |
| 305. | Study of angiogenic effects of l-lysine mono hydrochloride and neurotrophic factors in middle cerebral artery occlusion rat model of stroke | Dr. G.M. Merlin Margaret
Industrial Toxicology Research Centre
Lucknow |
| 306. | Frequency of angiotensin converting enzyme (ACE) gene insertion deletion (i/d) polymorphism and methylene tetrahydrofolate reductase (MTHFR) gene mutation in insulin dependent (ID) and non-insulin dependent (NID) | Ms. Priti Ojha
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Lucknow |
| 307. | Molecular characterization of the Wilson's disease | Ms. Monika Vishnoi
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Lucknow |
| 308. | Characterization, maintenance and expansion of human corneal epithelial stem cells | Ms. Monika Vishnoi
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Lucknow |
| 309. | The evaluation of the chemopreventive, chemoprotective and radioprotective properties of naringin in mice | Sh. T. Koti Reddy
Kasturba Medical College and Hospital
Manipal |
| 310. | Evaluation of the chemoprotective and radioprotective properties of <i>Aegle marmelos</i> (Bael) <i>in vivo</i> and <i>in vitro</i> | Sh. Ponemone Venkatesh
Kasturba Medical College and Hospital
Manipal |
| 311. | Evaluation of wound healing properties of hesperidin in the artificially wounded mouse exposed to gamma radiation | Sh. K.V.N. Malikarjuna Rao
Kasturba Medical College and Hospital
Manipal |
| 312. | Design and evaluation of novel drug delivery systems of anti-malarial drugs | Sh. N.K. Tayade
Bombay College of Pharmacy
Mumbai |
| 313. | Pharmacological evaluation of indigenous plants for antiallergic and antiasthmatic activity | Sh. P. Suresh Kumar
Bombay College of Pharmacy
Mumbai |
| 314. | Investigation of purinergic neurotransmission in smooth muscle : effect of ATPase inhibition on synaptic potentials in the mammalian vas deferens | Ms. Parakashtha Ghildyal
Indian Institute of Technology
Mumbai |
| 315. | Genetic factors contributing to osteoporosis : study of polymorphism in human vitamin D and estrogen receptor genes | Ms. Sumegha Mitra
National Institute for Research in Reproductive Health
Mumbai |

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| 316. | Molecular role of steroid acute regulatory (STAR) gene in steroidogenesis | Ms. Heena U Shirwalkar
National Institute for Research in
Reproductive Health
Mumbai |
| 317. | Screening for novel antioxidant bioactives from endophytes of medicinal plants | Sh. M.V. Tejesvi
University of Mysore
Mysore |
| 318. | Molecular mechanism-based screening for putative antiangiogenic compounds from medicinal plants : role in development of anticancer drugs | Sh. G. Thippesvamy
University of Mysore
Mysore |
| 319. | Turmerin - an 'on the spot' antioxidant antidote for Snake bite | Sh. M. Chetan Kumar
Adichunchangiri Cancer Research Centre
Nagamangala |
| 320. | Role of p53 on human cathepsin-I expression | Sh. Rahul Katara
All India Institute of Medical Sciences
New Delhi |
| 321. | Regulation of human cathepsin expression by multiple mRNA species | Ms. Shivani Mittal
All India Institute of Medical Sciences
New Delhi |
| 322. | Role of ENOS gene polymorphism in coronary artery disease in the Indian subjects | Dr. Kamna Srivastava
All India Institute of Medical Sciences
New Delhi |
| 323. | Evaluation of drugs with antioxidant property in <i>in vitro</i> and in middle cerebral artery occlusion model of acute ischemic stroke in rats | Ms. Seema Briyal
All India Institute of Medical Sciences
New Delhi |
| 324. | The interrelationship between sleep-wakefulness and body temperature - role of medical preoptic area | Sh. R.A. Vetrivelan
All India Institute of Medical Sciences
New Delhi |
| 325. | Studies on immunoexpression of anti-apoptotic and transcription marker molecules in ovariectomized rat hippocampus | Sh. Kanhaiya Sharma
All India Institute of Medical Sciences
New Delhi |
| 326. | Biochemical studies on regulation of c-myc promoter by targeting triple helix forming oligonucleotides | Ms. Akanchha
All India Institute of Medical Sciences
New Delhi |
| 327. | Physico-chemical characterization of <i>Plasmodium vivax</i> heat shock metalloprotease | Sh. Asim Anees Siddiqui
All India Institute of Medical Sciences
New Delhi |
| 328. | Genetic polymorphisms and expression of MTHFR & RFC-1 genes in coronary artery disease | Md. Afaque Alam
All India Institute of Medical Sciences
New Delhi |

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| 329. | Outcome of HBsAg positive renal transplant recipients | Dr. Durga Shankar
Army Hospital (Research & Referral)
New Delhi |
| 330. | To study the role of human recombinant erythropoietin in reducing blood transfusions in very low birth weight infants | Dr. Madasu Anjan
Army Hospital (Research & Referral)
New Delhi |
| 331. | Monoclonal antibodies to <i>Chlamydia trachomatis</i> : characterization, specificity, sensitivity and reactivity of desired clones in clinical samples | Sh. Amit Kumar
Institute of Pathology
New Delhi |
| 332. | Cell culture contamination with mycoplasma in basic and applied biomedical research | Sh. Ashok Kumar
Institute of Pathology
New Delhi |
| 333. | Biochemical studies on aflatoxin induced oxidative stress using mice as animal model | Ms. Farah Naaz
Jamia Hamdard
(Hamdard University)
New Delhi |
| 334. | Solid lipid nanoparticles as surrogate carrier for bioactive agents | Ms. Deepti Pandita
Jamia Hamdard
(Hamdard University)
New Delhi |
| 335. | Role of boron in ameliorating oxidative stress and liver cell necrosis: implications in liver diseases | Ms. Humaira Farooqi
Jamia Hamdard
(Hamdard University)
New Delhi |
| 336. | Production of bioactive gonadotropin by insect cell using baculovirus expression vector system | Ms. V. Pooja
Jamia Hamdard
(Hamdard University)
New Delhi |
| 337. | Protection against typhoid by <i>Terminalia bellerica</i> and <i>Punica granatum</i> : molecular, antioxidative and immunomodulatory evaluation | Sh. Arfat Madani
Jamia Hamdard
(Hamdard University)
New Delhi |
| 338. | Role of the chemical constituent of an indigenous plant in the chemopreventive potential of skin carcinogenesis in animal model system | Ms. Sonia Sharma
Jamia Hamdard
(Hamdard University)
New Delhi |
| 339. | Ameliorative properties of plant flavonoid galangin on hepatocarcinogenic and genotoxic effects induced by chemical agents in animal models | Dr. Anuradha Sehwat
Jamia Hamdard
(Hamdard University)
New Delhi |

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| 340. | Development of new drug delivery system with sodium-hydrogen exchanger modulators and evaluation of their role in epilepsy | Sh. Atif Ali
Jamia Hamdard
(Hamdard University)
New Delhi |
| 341. | Antidiabetic properties of <i>Trigonella foenum graecum</i> related to membrane structure and function | Mohd. Rizwan Siddiqui
Jamia Milia Islamia
New Delhi |
| 342. | Elucidation of the role of neuropeptide, neurokinn B and its analogues on molecular and biochemical correlates in aging brain functions | Sh. M. Anil Kumar
Jawaharlal Nehru University
New Delhi |
| 343. | Analysis of expression of human p35 and p40 genes and their assembly to form bioactive human interleukin-12 in a mammalian cell line and its bioreactor optimization in culture | Sh. Anand Kumar Verma
Jawaharlal Nehru University
New Delhi |
| 344. | Studies on the mechanisms of gene regulation by transcriptional activators in yeast | Ms. Sonal Sawhney
Jawaharlal Nehru University
New Delhi |
| 345. | The role of oxidative stress and cellular transcription factor ap-1 in pre and post operative cases of breast carcinomas | Ms. Priyanka Verma
Lady Hardinge Medical College
and Associated Hospitals
New Delhi |
| 346. | Neural repair by glial cell line derived neurotrophic factor (GDNF) in experimental model of Parkinson's disease | Ms. Shalini Singh
Maulana Azad Medical College
and Associated Hospitals
New Delhi |
| 347. | Role of stat family of transcription factors in regulation of transcription in the brain | Ms. Anjana Kalita
National Institute of Immunology
New Delhi |
| 348. | Cytogenetic and molecular biological study of sporadic and familial breast cancer patients from Goa | Ms. T.M. Deshpande
Goa University
Panaji |
| 349. | Biochemical variation among hill peoples of Lahaul-Spiti and Kulu districts of north Himachal Pradesh | Ms. Rupinder Kaur Bansal
Punjabi University
Patiala |
| 350. | Relationship between candidate genes of hypercholesterolemia and the risk of coronary heart disease in South Indian population | Dr. Padmaja Narayanan
Jawaharlal Institute of
Postgraduate Medical Education and Research
Pondicherry |
| 351. | Rational design, synthesis and biological evaluation of some novel cholesterol lowering agents | Sh. M.K. Kathiravan
Poona College of Pharmacy
Pune |

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| 352. | Conformational analysis of anticancer drug mitoxantrone, its analogues and their complexes by NMR spectroscopy and molecular modeling techniques | Ms. Manpreet Kaur Narang
Indian Institute of Technology
Roorkee |
| 353. | Dendrimer mediated genetic immunization against hepatitis - B | Sh. Tathagata Dutta
Dr. Hari Singh Gour Vishwavidyalaya
Sagar |
| 354. | Microbial triggered targeted oral drug delivery for colorectal cancer | Sh. Anekant Jain
Dr. Hari Singh Gour Vishwavidyalaya
Sagar |
| 355. | Development and characterization of intestinal M-cell targeted microsphere for the oral vaccination against hepatitis B | Sh. Premnarayan Gupta
Dr. Hari Singh Gour Vishwavidyalaya
Sagar |
| 356. | Synthesis and characterization of antisense oligonucleotides for skin associated genetic disorders | Ms. Gyati Shilakari
Dr. Hari Singh Gour Vishwavidyalaya
Sagar |
| 357. | Isolation and screening of antimicrobial peptides from insects | Sh. N. Chandrasekhar
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram |
| 358. | Exploring the structural requirements of peptide/protein antagonists of cxcr4 and ccr5 to inhibit the co-receptor mediated cellular entry of HIV-1 | Sh. P. Sanchidanandan
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram |
| 359. | Study of microtubule assembly by some microtubule nucleation promoters | Ms. Nisha Elizabeth Thomas
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram |
| 360. | Genetic transformation studies in <i>Cucumis sativus</i> for expressing immunogenic proteins | Ms. Sindhu C. Unni
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram |
| 361. | Leucocyte and platelet deposition in atherosclerotic plaques : role of sugar specific adhesion to endothelial lectin galectin 1 and prospect of its inhibition by human erythrocyte membrane oligosaccharides | Ms. S.R. Sangeetha
Sree Chitra Tirunal Institute
for Medical Sciences and Technology
Thiruvananthapuram |
| 362. | Studies on <i>Selaginella involvens</i> with special reference to its immunomodulatory and anti-oxidant properties | Ms. V. Gayathri
Tropical Botanic Garden and
Research Institute
Thiruvananthapuram |
| 363. | Studies on monocyte-macrophage differentiation | Ms. A. Radhika
University of Kerala
Thiruvananthapuram |

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| 364. | Inhibition of viral carcinogenesis by selected medicinal plants | Sh. K.B. Hari Kumar
Amala Cancer Hospital and Research Centre
Thrissur |
| 365. | Biochemical studies on antidiabetic activity of <i>Syzygium alternifolium</i> seeds | Sh. M.D. Rajasekhar
Sri Venkateswara University
Trupati |
| 366. | Development of liposomal dry powder inhalers for lung diseases | Sh. Mahavir Bhupal Chougule
M.S. University of Baroda
Vadodara |
| 367. | To develop novel nonviral gene delivery system: targeting specific cell and enhancing gene expression | Sh. V.I. Kulkarni
M.S. University of Baroda
Vadodara |
| 368. | Study of the role of rab 11 during eye development in <i>Drosophila</i> | Sh. A.K. Tiwari
Banaras Hindu University
Varanasi |
| 369. | Study the anticarcinogenic effect of <i>Terminalia arjuna</i> , <i>Andrographis paniculata</i> and <i>Asparagus racemosus</i> in Dalton's lymphoma ascites bearing mice | Ms. Nibha Verma
Banaras Hindu University
Varanasi |
| 370. | Reno protective actions of aldose reductase inhibitors in experimental diabetic nephropathy | Sh. G. Jayaprakash
Andhra University
Visakhapatnam |
| 371. | Investigations on biosynthesis, continuous production and kinetics of urokinase (UK) employing immobilized mesangio-proliferative glomerulo nephritis (MPGN) kidney cells | Ms. Bhavani Devi Ravuri
Andhra University
Visakhapatnam |

Publication and Information

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| 372. | The transfer of public domain science to patented technology : a case study with major inventions as reflected by patents | Dr. Sonica Pawa
Indian Council of Medical Research
New Delhi |
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Expenditure on Fellowships during the year Rs. 383.00 lakhs