

4th International Symposium on
CURRENT TRENDS IN DRUG DISCOVERY RESEARCH
CTDDR-2010
(February 17-21, 2010)
Central Drug Research Institute
Chattar Manzil, P.O. Box 173, Lucknow-226 001 (India)

Poster Presentation Schedules:

Poster Session I (18-02-2010 at 13.00 hrs) = Poster No. 1 – 70

Poster Session II (19-02-2010 at 13.00 hrs) = Poster No. 71 – 140

Poster Session III (20-02-2010 at 13.00 hrs) = Poster No. 141 – 210

Poster Session IV (21-02-2010 at 13.00 hrs) = Poster No. 211 – 280

Note: (i) Poster Nos 1-176 (received before 15th Nov. 2009) are also included in the spl. Issue of the journal Medicinal Chemistry Research.

(ii) Poster No. 177 – 280 are included in the proceeding/souvenir of the CTDDR-2010.

(iii) Billboard dimensions of 90cm (width) by 110cm (height) will be provided for affixing each poster.

Poster Session – 1
18th February 2010 at 13.00 hrs

1. DESIGN, SYNTHESIS AND CHARACTERIZATION OF SOME NOVEL 1,3,4-THIADIAZOLE DERIVATIVES AS POSSIBLE ANTICONVULSANT AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

2. SYNTHESIS AND BIOLOGICAL SCREENING OF SOME NOVEL 2-AMINO-5-ARYL-1,3,4-OXADIAZOLE ANALOGUES

Ajay Kumar^a, Varsha_Kashaw^b, Raghuveer Irchhiaya^a, Sushil K. Kashaw^{*c}, Sanjeev

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

3. TRANSDERMAL DELIVERY OF LOW MOLECULAR WEIGHT HEPARIN VIA NOVEL NANOCARRIER

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Department of Pharmaceutical Sciences, Dr. H.S. Gour University

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

4. BLOOD SUBSTITUTES/ ARTIFICIAL BLOOD

Aakanchha Jain

Bhagyoday Tirth Pharmacy College, Sagar (M.P.), 470003

Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

5. NYMPHASTEROL, A NEW STEROID FROM NYMPHAEA STELLATA

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

6. THREE-DIMENSIONAL IN SILICO PHARMACOPHORE AND COMFA, COMSIA STUDIES ON A_{1A} –ADRENERGIC RECEPTOR ANTAGONISTS

Amit K. Gupta, Praneeth B. Doguparthy, Sucheta Das and Anil K. Saxena*

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

7. PHARMACOPHORE MODELING OF DIVERSE CLASSES OF EGFR (HER1)

TYROSINE KINASE INHIBITORS

Amit K. Gupta, **Kapil Dey** and Anil K. Saxena*
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

8. SYNTHESIS AND ANTIMICROBIAL EVALUATION OF SOME NOVEL N-P-METHYLBENZOYL-N'-AROMATIC HETEROCYCLIC AMINES THIOUREA DERIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

9. SYNTHESIS AND ANTITUBERCULAR ACTIVITIES OF BENZO[4,5]FURO[2,3-C]CHROMEN-6-ONE DERIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

10. DESIGN AND SYNTHESIS OF SOME NOVEL 3-[5-(4-SUBSTITUTED) PHENYL-1,3,4-OXADIAZOLE-2YL]-2- PHENYLQUINAZOLINE-4(3H)-ONES AS POSSIBLE ANTICONVULSANT AGENT

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

11. QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP OF NITRO DERIVATIVE ANALOGUES AS POTENT ANTIPROTOZOAL AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

12. **SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF 5-[1(4-
ISOBUTYLPHENYL)ETHYL]-2[2-(ARYLAMINO)- 2-OXOETHYL]AMINO-
1,3,4-THIADIAZOLE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

13. **PREDICTING ANTI-CANCER ACTIVITY OF TOPOISOMERASE II
INHIBITORS:KNN MFA APPROACH**

Ankur Vaidya, Abhishek Kumar Jain, Vishnu Kant Mourya^a, Sushil Kumar Kashaw,
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

14. **SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME NOVEL 5-
SUBSTITUTED ARYLIDENE -2, 4-THIAZOLIDINEDIONES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

15. **INDUCED FIT BINDING OF ALDOSE REDUCTASE INHIBITOR
ZOPOLRESTAT TO AKR1B10**

Ranjit Shinde, Anup Shah, Pavan Kare, Swapnil Chavan, V. Hymavathi &
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16. DESIGN OF HERBAL DRUG USING SOFT COMPUTING APPROACH

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

17. MODULATION OF CHLORPYRIFOS INDUCED APOPTOSIS IN MURINE THYMOCYTES BY RESVERATROL

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

18. RATIONALIZATION OF PHYSICOCHEMICAL CHARACTERS OF 2-PHENYLPYRAZINE ANALOGS TOWARD ALDOSE REDUCTASE INHIBITORY ACTIVITY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

19. DESIGN SYNTHESIS AND BIOLOGICAL EVALUATION OF SULFUR CONTAINING 1,4-NAPHTHOQUINOES AS POTENT ANTIFUNGAL AND ANTIPROLIFERATIVE AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

20. FINDING PUTATIVE DRUG AGAINST H1N1 VIRUS (INFLUENZA A VIRUS) BY COMPUTATIONAL VIRTUAL SCREENING APPROACH

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

21. ROLE OF GABA_A ANTAGONISM IN ANTIDEPRESSANT EFFECT OF NOVEL 2-AZETIDINONE

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

22. FACILE AND EFFICIENT SYNTHESIS OF BENZO[b]PYRANO- AND DIBENZO[b,d]OXIPENES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

23. RATIONAL DESIGN OF PEPTIDES DERIVED FROM AUTOINHIBITORY REGION: AN IN- SILICO APPROACH FOR PKC β II INHIBITION

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

24. ENANTIOSELECTIVE DIRECT ALDOL REACTIONS CATALYZED BY CD-PROLINE COMPLEX

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

25. **SYNTHESIS AND *IN-VITRO* AND *IN-VIVO* ANTIMALARIAL ACTIVITY OF NOVEL 4-ANILINOQUINOLINE MANNICH BASE DERIVATIVES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

26. **ANTIFUNGAL CONSTITUENTS ISOLATED FROM SEEDS OF *AEGLE MARMELOS* CORR. (FAMILY- RUTACEAE)**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

27. **COMPARATIVE STRUCTURE ANALYSIS OF HOMOLOGOUS PROTEINS FOR SPECIFIC DRUG DESIGN**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

28. **EVALUATION OF QUINOLINE BRIDGED PYRIMIDINONES AS NOVEL ANTI-DEPRESSANTS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

29. FIRST IN SILICO STUDY OF HUMAN LEUKOCYTE ANTIGEN-RELATED PHOSPHATASE: PHARMACOPHORE, VIRTUAL SCREENING AND DOCKING

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

30. PROTECTIVE EFFECT OF CURCUMIN AND CURCUMIN ANALOG ON ELECTRON BEAM RADIATION INDUCED OXIDATIVE STRESS IN DROSOPHILA MELANOGASTER

Darshan raj C G^a, Sarojini B K^{a*}, Ramesh S R^b, Ramakrishna M K^b, Narayana B^c, Ganesh S.^d

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

31. DIVERSITY-ORIENTED SYNTHESIS OF BENZIMIDAZOLE, BENZOXAZOLE, BENZOTHIAZOLE AND QUINAZOLIN-4(3H)-ONE LIBRARIES VIA OXIDATIVE COUPLING REACTION

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

32. CARDIOTONIC ACTIVITY OF AQUEOUS EXTRACT OF THE LEAVES OF BEGONIA MALABARICA ON THE ISOLATED PERFUSED FROG HEART

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

33. SYNTHESIS AND IN VITRO ANTITUBERCULAR ACTIVITY OF NOVEL ANALOGUES OF R207910

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

34. CONSTITUENTS OF BUTEA MONOSPERMA

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

35. NOVEL STEROIDAL SAPONINS FROM THE RHIZOMES OF AGAPANTHUS AFRICANUS (LINN.)

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

36. DESIGN AND SYNTHESIS OF NOVEL SPIROOXINDOLES AS ANTI-BREAST CANCER AGENT

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

37. STABILITY OF MURRAYA KOENIGII MIRACULIN-LIKE PROTEIN

(MKMLP) IN DIFFERENT PHYSICOCHEMICAL CONDITIONS

Girijesh K. Patel, Chandan Shee, Deepankar Gahloth, P. Selvakumar & Ashwani K. Sharma*

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

38. **HPLC-PDA METHOD FOR QUANTITATIVE ANALYSIS OF ACTIVE MARKERS OF OSTEOGENIC HERBAL PREPARATIONS OF ULMUS WALLICHIANA**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

39. **SYNTHESIS AND ANTIMALARIAL ACTIVITY EVALUATION OF SOME ANALOGUES OF 7-CHLORO-N-[3-(4,6-DIAMINO-1,3,5-TRIAZIN-2-YLAMINO) PROPYL]QUINOLINE-4-AMINE DERIVATIVES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

40. **EFFECT OF CARBAMAZEPINE- AN ANTIEPILEPTIC ON PHARMACOKINETICS PROFILE OF AN ANTIMALARIAL TRIOXANE IN RATS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

41. ON WATER ASSISTED NUCLEOPHILIC SUBSTITUTION AND ADDITION REACTIONS: SYNTHESIS OF AMINO AND THIOETHERS WITH QUINONE CHROMOPHORE

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

42. 3,4,6-TRIARYL-2-PYRANONES AS A POTENTIAL NEW CLASS OF ANTI-BREAST CANCER AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

43. DESIGN AND SYNTHESIS OF SUBSTITUTED 1, 2, 3, 4-TETRAHYDRO-9H-PYRIDO (3, 4-B) INDOLE-2-SULPHONYL DERIVATIVES AS POTENTIAL ANTITHROMBOTIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

44. DESIGN, SYNTHESIS, PHARMACOLOGICAL SCREENING AND LEAD MODIFICATION STUDY OF SOME NOVEL 1,2,4-TRIAZOLES AS POTENT LIPID LOWERING AGENTS WITH SIGNIFICANT HDL ELEVATION

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

45. NICOTINIC ACID HYDRAZONES: A NOVEL ANTICONVULSANT PHARMACOPHORE

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

46. HOMOLOGY MODELING OF THE HUMAN AKT3 RECEPTOR AND DOCKING STUDY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

47. SYNTHESIS AND ANTI-TUBERCULAR ACTIVITY OF NOVEL PYRAZOL-5(H)-ONE DERIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

48. AN EFFICIENT SYNTHESIS OF (5S)-1-BENZYL-5-(1H-IMIDAZOL-1-YLMETHYL)-2-PYRROLIDINONE(MM1): A NOVEL ANTIHYPERTENSIVE AGENT

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

49. QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP STUDIES ON BISBENZOFURAN CATIONS AS ANTIMALARIAL AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

50. ANTILEISHMANIAL AGENTS FROM *TINOSPORA SINENSIS*

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Research Institute, Lucknow 226 001, India

Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**51. DESIGN, SYNTHESIS AND EVALUATION OF NAPHTHALENE BASED
PROPIOPHENONES AS CYTOTOXIC AGENTS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**52. STRUCTURE-BASED DISCOVERY AND MOLECULAR DOCKING STUDIES
OF SMALL MOLECULE INHIBITORS TARGETED TO PROTEIN TYROSINE
PHOSPHATASES 1B.**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**53. PHARMACOPHORE DEVELOPMENT & EXPLORATION OF THE BINDING
SITE OF HEPATITIS C VIRUS NS5B RNA POLYMERASE INHIBITOR**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

54. **IN-SILICO VIRTUAL SCREENING, SYNTHESIS AND EVALUATION OF NOVEL CARBAMATES AS ACETYLCHOLINESTERASE (ACHE) INHIBITORS FOR ALZHEIMER'S DISEASE (AD)**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

55. **DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF N-(3-OXO-1,3-DIARYL/DIHETROARYLPROPYL)ACETAMIDES AS POTENTIAL NON-PURINE XANTHINE OXIDASE INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

56. **NOVEL SYNTHETIC ROUTE TO ENYNONES AND DIENONES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

57. **LC-MS-MS METHOD FOR SIMULTANEOUS ANALYSIS OF CLADRIN AND EQUOL IN RAT PLASMA AND ITS APPLICATION IN PHARMACOKINETICS STUDY OF CLADRIN**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

58. **DIVERSITY ORIENTED SYNTHESIS OF BENZIMIDAZOLE AND BENZOXA/(THIA)ZOLE LIBRARIES THROUGH POLYMER-SUPPORTED HYPERVALENT IODINE REAGENT**

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Lucknow, 226001, India*

Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

59. **SHAPE- AND CHEMICAL FEATURE-BASED 3D-PHARMACOPHORE MODEL GENERATION AND VIRTUAL SCREENING: IDENTIFICATION OF POTENTIAL PFDHFR ENZYME INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

60. **QSAR STUDY OF A SERIES OF ACYL COENZYME A: CHOLESTEROL ACYLTRANSFERASE (ACAT) INHIBITORS USING GENETIC FUNCTION APPROXIMATION**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

61. **SYNTHESIS & BIOLOGICAL EVALUATION OF NEW COMBRETASTATIN ANALOGUES**

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001, Punjab Technical University, India.
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

62. NAPHTHO[1,2-E][1,3]OXAZINE A NEW CLASS OF ANTI-OSTEOPOROTIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

63. IN VIVO IMMUNOSUPPRESSANT ACTIVITY OF PLANT EXTRACT IN BALB/C MOUSE MODEL

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

64. HOMOLOGY MODELING OF HUMAN 5-HT_{1A} RECEPTOR: A STRUCTURAL BASIS FOR THE DESIGN OF NEW LIGANDS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

65. DESIGN AND SYNTHESIS OF 2, 3-DIARYL QUINAZOLINONES AS GASTRIC SAFE ANTI-INFLAMMATORY COMPOUNDS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

66. ANTIHYPERGLYCEMIC CONSTITUENTS OF DODECADENIA GRANDIFLORA

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

67. **SYNTHESIS AND BIOLOGICAL EVALUATION OF 1, 2, 3 TRISUBSTITUTED-1, 4-DIHYDROBENZO [g] QUINOXALINE-5, 10-DIONES AND RELATED COMPOUNDS AS ANTIFUNGAL AND ANTIBACTERIAL AGENTS**

Vishnu K. Tandon,^{a,*} Dharmendra B. Yadav,^a Hardesh K. Maurya,^a **Manoj K. Verma**,^a
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

68. **MICROWAVE ASSISTED SOLVENT FREE SYNTHESIS OF BIOLOGICALLY ACTIVE NOVEL HETEROCYCLES FROM 3-FORMYLCHROMONES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

69. **QSAR STUDY OF A SERIES OF 2,3-DIHYDROIMIDAZO[1,2-c]PYRIMIDINES, A POTENT ANTIBACTERIAL AGENTS BY GENETIC FUNCTION APPROXIMATION**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

70. **AN IN VITRO INVESTIGATION OF THE MORPHOLOGICAL EFFECT OF ANTITUBERCULAR DRUGS NAMELY ISONIAZID, RIFAMPICIN, PYRAZINAMIDE ON HUMAN HEPATOMA CELL LINE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

Poster Session II (19-02-2010 at 13.00 hrs) Poster No. 71 – 140

71. **IMPROVEMENT IN THE ANTIFILARIAL EFFICACY OF ANTIWOLBACHIAL ANTIBIOTIC FORMULATIONS OF DOXYCYCLINE AND RIFAMPICIN WHEN COMBINED TOGETHER AND WITH DIETHYLCARBAMAZINE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

72. **DESIGN, SYNTHESSES AND MODELING OF ANTIHISTAMINES H₁**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

73. **SYNTHESIS & ANTITUMOR ACTIVITY OF COMBRETASTATIN ANALOGUES BASED ON SAR STUDIES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

74. BIOACTIVE CONSTITUENTS FROM FRUITS OF *CUPRESSUS SEMPERVIRENS*

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

75. SYNTHESIS AND ANTIMALARIAL ACTIVITY EVALUATION OF 3-(3-(7-CHLOROQUINOLIN-4-YLAMINO) PROPYL)-1,3-THIAZINAN-4-ONE DERIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

76. SYNTHESIS OF N-ARYL-1, 4-DIHYDROPYRIDINES AS ANTIDYSLIPIDEMIC AND ANTIOXIDANT AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

77. SUBSTITUTED HYDRAZINECARBOTHIOAMIDE AS POTENT ANTITUBERCULAR AGENTS: SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIP (QSAR)

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

78. EXCRETION STUDY OF A NOVEL ANTIDIABETIC S002-853 IN RAT URINE AND FECES QUANTIFIED BY LC-MS/MS METHOD

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

79. DESIGN & SYNTHESIS OF PIPERAZINE DERIVED ANTISPERMATOGENIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

80. EFFICIENT SYNTHESIS AND PHARMACOLOGICAL STUDIES OF SOME N-ETHOXYPTHALIMIDO-3-METHYL-4-SUBSTITUTED PHENYL-PYRAZOLO[4',3':5,6]PYRIDO[2,3-d]PYRIMIDO[6,1-b]QUINAZOLIN-10-ONE VIA NIEMENTOWSKI REACTION

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

81. SYNTHESIS AND BIOLOGICAL EVALUATION OF FURAN SUBSTITUTED PROPIOPHENONES, THEIR DERIVED PYRRAZOLES AS POTENTIAL CYTOTOXIC AGENTS

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001, Punjab Technical University, India.
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

82. **CHLOROFORM FRACTION OF XYLOCARPUS GRANATUM FRUIT PROTECTS THE GASTRIC MUCOSA THROUGH INHIBITION OF H⁺ K⁺-ATPASE ACTIVITY**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

83. **DESIGN, SYNTHESIS AND CHARACTERIZATION OF SOME NOVEL N-[5-(4-SUBSTITUTED)PHENYL-1,3,4-OXADIAZOL-2-YL]-2-[3,7-DIMETHYLOCTA-2,6-DIEN-1-YLIDENE] HYDRAZINECARBOXAMIDE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

84. **SYNTHESIS OF BIOLOGICALLY ACTIVE PYRANOPYRIMIDINES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

85. **SYNTHESIS OF 1-((CHLOROBENZYLOXY)-1-(4-N-BENZYLPIPERAZINO-3-NITROPHENYL))-3-AMINOPROPANES AS POTENTIAL ANTIMYCOTICS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

86. **ANTILEISHMANIAL EFFICACY OF FLUCONAZOLE AND MILTEFOSINE IN COMBINATION WITH AN IMMUNOMODULATOR – PICROLIV**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

87. AN INVESTIGATION LEADING TO THE SYNTHESIS OF 4,6-DISUBSTITUTED-2-OXO-QUINAZOLINES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

88. PHARMACEUTICAL COCRYSTALS OF TEMOZOLOMIDE AND THEIR STABILITY STUDY BY UV-VIS SPECTROSCOPY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

89. 3D-QSAR KNN MFA STUDY ON THIOURACIL DERIVATIVES AS HEPATITIS C VIRUS INHIBITORS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

90. IDENTIFICATION OF IMPORTANT STRUCTURAL FEATURES OF THIAZOLO[4,5-D]PYRIMIDINES REQUIRED FOR POTENT ANTIFUNGAL ACTIVITY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

91. LEAD MODIFICATION STUDY OF A SERIES OF NOVEL CARBOXAMIDINE DERIVATIVES AS POTENTIAL D₂-RECEPTOR

ANTAGONISTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

92. **STUDIES IN DESIGN AND SYNTHESIS OF PROLINAMIDE CATALYSED ENANTIOSELECTIVE ALDOL REACTIONS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

93. **VACCINATION WITH RECOMBINANT INDEPENDENT PHOSPHOGLYCERATE MUTASE AGAINST CHALLENGE INFECTION WITH BRUGIA MALAYI CONFERS PROTECTIVE IMMUNITY IN RODENT**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

94. **PHARMACOPHORE REFINEMENT AND DOCKING STUDIES OF 1-SULFONYL-4-ACYLPYPERAZINES AS SELECTIVE CANNABINOID-1 RECEPTOR (CB1R) INVERSE AGONISTS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

95. **PURIFICATION AND CHARACTERIZATION OF AN ANTIOXIDANT PROTEIN FROM FRUIT OF TERMINALIA CHEBULA (HIRDA)**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

96. AMELIORATION OF MUCOSAL INFLAMMATION IN EXPERIMENTAL REFLUX ESOPHAGITIS BY SELECTIVE COX-2 INHIBITOR

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

97. ASSESSMENT OF DICLOFENAC AND PACLITAXEL INDUCED HEPATOTOXICITY USING HEPG2 CELLS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

98. OSTEOGENIC CONSTITUENTS OF ULMUS WALLICHIANA

Preeti Rawat^{a, †}, Manmeet Kumar^a, Kunal Sharan^b, Naibedya Chattopadhyay^b, Rakesh Maurya^{a,*}

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

99. PYRANOCOUMARINS: A NEW CLASS OF ANTI-HYPERGLYCEMIC AND ANTI-DYSLIPIDEMIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

100. RING CLOSING METATHESIS: SYNTHESIS OF NITROGEN, SULFUR AND

OXYGEN CONTAINING 1,4-NAPHTHOQUINONE FUSED DERIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

101. **COMPARISON BETWEEN ANTIOXIDANT ACTIVITY OF 2,5-DISUBSTITUTED 1,3,4-OXADIAZOLES CONTAINING HETEROAROMATIC AND AROMATIC SUBSTITUTIONS AT 5TH POSITION**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

102. **SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUTION OF SOME ALKOXYPHthalimide DERIVATIVES OF 3-(4-SUBSTITUTEDPHENYL)-6,6-DIPHENYL-3,3A-DIHYDRO-2H-IMIDAZO[2,1-b]PYRAZOLO[3,4-d][1,3]THIAZOL-7(6H)-ONE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

103. **EFFECT OF HYPERGLYCEMIA ON ANTINOCICEPTIVE EFFECT OF CANNABINOID AGONIST, WIN 55,212- 2, IN STZ INDUCED DIABETIC NEUROPATHIC PAIN**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

104. **MD STUDIES ON NEURAMINIDASE FOR PROBING BINDING POSE OF ITS INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

105. EVALUATION OF WOUND HEALING ACTIVITY OF METHANOL EXTRACT OF ANNONA RETICULATE L (ANNONACEAE) LEAVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

106. BENZOTRIAZOLE MEDIATED FACILE SYNTHESIS OF CARBO-HYDRATE BASED POTENTIAL CHEMOTHERAPEUTIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

107. SYNTHESIS OF A NEW SERIES OF OXADIAZOLES AND TRIAZOLES AS ANTIMYCOTIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

108. HYDROXAMIC ACIDS AS INHIBITORS OF HUMAN BREAST CANCER CELLS MCF-7 IN VITRO: 3D-QSAR APPROACH USING SELF ORGANIZING MOLECULAR FIELD ANALYSIS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

109. CONSTITUENTS OF CAESALPINIA BONDOC

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**110. HYPOGLYCEMIC EFFECT OF LIPPIA NODIFLORA (L.) IN
STREPTOZOTOCIN INDUCED DIABETIC RATS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**111. ISOLATION OF AN ANTIOXIDANT PROTEIN FROM PHYLLANTHUS
AMARUS AND ITS STABILITY STUDIES WITH TEMPERATURE**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**112. GENOMIC STABILITY AND TISSUE PROTECTION OF CLERODENDRON
INERME (L.) GAERTN LEAVES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

113. PASS - ASSISTED EXPLORATION OF NEW THERAPEUTIC POTENTIAL OF NATURAL PRODUCTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

114. POSSIBLE POTENTIATION OF ANTI-INFLAMMATORY, ANTIOXIDATIVE AND ANTI-FIBROTIC CASCADES WITH ZIZIPHUS JUJUBE FRUIT IN EXPERIMENTAL LIVER INJURY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

115. QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP ANALYSIS OF MERCAPTO SULPHONIC ACID DERIVATIVES AS POTENT OPIOID ANALGESIC

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

116. TRANSDERMAL NANOEMULSION DRUG DELIVERY SYSTEM OF INDOMETHACIN

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

117. SYNTHESIS AND ANTIMALARIAL ACTIVITY OF ARYLIDENE DERIVATIVES OF MELDRUM'S ACID

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

118. ACETOHYDROXAMIC ACID - A COMPETITIVE INHIBITOR OF UREASE FROM SOYBEAN (GLYCINE MAX)

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

119. NOVEL GABA-AT INHIBITORS: QSAR AND DOCKING BASED VIRTUAL SCREENING OF PHENYL SUBSTITUTED β -PHENYL ETHYLIDENE HYDRAZINE ANALOGS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

120. A PROFICIENT SYNTHESIS OF OXAZINE , OXAZEPINE AND PHENOXAZINE DERIVATIVES CONTAINING 1,4-NAPHTHOQUINONE CHROMOPHORE

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

121. COPPER – PROMOTED FAVORSKII TYPE REARRANGEMENT OF CYCLIC α -BROMOKETONES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

122. WOUND HEALING POTENTIAL OF MARTYNIA ANNUA LEAVES IN RATS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

123. DEVELOPMENT OF 3D-PHARAMACOPHORE MODEL AS VIRTUAL SCREENING TOOL FOR NOVEL BRADYKININ B2 RECEPTOR ANTAGONISTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

124. IN-SILICO PREDICTED NEW LEAD MOLECULES FOR TREATMENT OF DIABETES TARGETING ALDOSE REDUCTASE.

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

125. MODELING OF NOVAL WILD-TYPE HIV -1 PROTEASE INHIBITORS INCORPORATING N-PHENYLOXA-ZOLIDINONE -5-CARBOXAMIDES INTO THE (HYDROXYETHYLAMINO)

**SULFONAMIDE SCAFFOLD AS P2 LIGANDS USING QUANTAM
CHEMICAL AND TOPOLOGICAL FINGER PRINT DESCRIPTORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**126. THREE-DIMENSIONAL COMMON-FEATURE HYPOTHESES AND
DOCKING STUDIES ON ISOINDOLINONE BASED P53-MDM2 INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**127. THE PHARMACODYNAMICS AND PHARMACOKINETICS STUDIES OF
INTRA-NASALLY ADMINISTERED INSULIN IN NOVEL GEL BASE IN
HEALTHY MALE VOLUNTEERS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**128. COMPARATIVE MODELING OF NEUROKININ-1 RECEPTOR: A MULTI
MODEL APPROACH**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**129. DESIGN AND SYNTHESIS OF 3,5-DIARYLISOXAZOLE DERIVATIVES AS
NOVEL CLASS OF ANTI-HYPERGLYCEMIC AND LIPID LOWERING
AGENT**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**130. 3D-PHARMACOPHORE MODEL BASED VIRTUAL SCREENING TO
IDENTIFY DUAL-BINDING SITE AND SELECTIVE
ACETYLCHOLINESTERASE INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**131. ROLE OF α 7 HELIX IN THE BINDING OF PTP-1B ALLOSTERIC
INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**132. 3D-QSAR STUDIES ON ANTHRANILAMIDE DERIVATIVES AS FACTOR XA
INHIBITORS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**133. CYTOCHROME P450 MEDIATED OXIDATIVE BIOTRANSFORMATION OF
99/411 (1, 2, 4-TRIOXANE) IN RATS AND MONKEYS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

134. DESIGN, SYNTHESIS AND 3D- QSAR MOLECULAR MODELING STUDIES OF NOVEL DNA GYRASE INHIBITORS AS ANTITUBERCULAR AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

135. SYNTHESIS AND BIOLOGICAL EVALUATION OF NOVEL PYRAZOLES INCORPORATING A 4-AMINO-BENZENESULFONAMIDE MOIETY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

136. QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP (QSAR) OF N6-SUBSTITUTED ADENOSINE RECEPTOR AGONISTS AS POTENTIAL ANTIHYPERTENSIVE AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

137. 3D-QSAR PHARMACOPHORE MODELING AND DOCKING STUDIES ON BENZIMIDAZOLE DERIVATIVES AS ACTIVATORS OF THE AMP-ACTIVATED PROTEIN KINASE (AMPK)

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

138. DESIGN AND SYNTHESIS OF NOVEL FERROCENYL DERIVATIVES AS ANTIPROLIFERATIVE AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

139. SYNTHESIS AND XANTHINE OXIDASE INHIBITORY ACTIVITIES OF NOVEL 5:6-FUSED HETEROCYCLES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

Poster Session III (20-02-2010 at 13.00 hrs)
Poster No. 141-210

140. IN-SILICO DEVELOPMENT AND VALIDATION OF QUANTITATIVE PHARMACOPHORE MODEL ON HEAT SHOCK PROTEIN 90 (HSP90) INHIBITORS AS ANTI-CANCER AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

141. SYNTHESIS AND ANTIMALARIAL ACTIVITY EVALUATION OF SOME ISOQUINE ANALOGUES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

142. QSAR MODELING OF THE INHIBITION OF REVERSE TRANSCRIPTASE ENZYME WITH BENZIMIDAZOLONE ANALOGS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**143. DESIGN, SYNTHESIS AND POTENTIAL ANTICONVULSANT ACTIVITY OF
SOME NEW BIOACTIVE 1-(4-SUBSTITUTED-PHENYL)-3-(4-OXO-2-
METHYL-4H-QUINAZOLIN-3-YL)-UREA**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

144. HOMOLOGY MODELING OF CCR2

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**145. DESIGN, SYNTHESIS & DOCKING STUDIES OF PHENOXY-3-PIPERAZIN-1-
YL-PROPAN- 2-OL DERIVATIVES AS INHIBITORS OF PROTEIN
TYROSINE PHOSPHATASES 1B**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**146. FUNCTIONAL GENOMICS OF BACILLUS LICHENIFORMIS ANBA9:
EFFICACY OF YSHB AND DERIVATIVES AS POTENT ANTIBACTERIAL
PEPTIDES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

147. NOVEL 2-ARYL-NAPHTHO[1,2-D]OXAZOLE DERIVATIVES AS ANTIHYPERGLYCEMIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

148. QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP (QSAR) STUDIES OF A SERIES OF 2, 5-DISUBSTITUTED-1,3,4-OXADIAZOLE DERIVATIVES AS BIOLOGICALLY POTENTIAL COMPOUNDS.

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

149. SYNTHESIS AND ANTIBACTERIAL EVALUATION OF SERIES OF NOVEL TRI SUBSTITUTED-S-TRIAZINES DERRIVATIVES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

150. DESIGN AND SYNTHESIS OF NOVEL CHALCONES AS POTENTIAL ANTICANCER AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

151. DESIGN AND SYNTHESIS OF BMP-2 AGONISTS AS POTENT ANTIOSTEOPOROTIC AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

152. SYNTHESIS, QSAR AND ANTIMICROBIAL ACTIVITY OF SOME NEW BENZOPHENOTHIAZINE DERIVATIVES.

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

153. CLONING, EXPRESSION AND CHARACTERIZATION OF REPETITIVE INFECTIVE LARVAL ANTIGEN BML3 R15 OF LYMPHATIC FILARIA BRUGIA MALAYI

Vishal K. Soni, Prashant K. Singh, Susheela Kushwaha and Shailja Misra-Bhattacharya*
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

154. SYNTHESIS AND ANTILEISHMANIAL ACTIVITY OF NOVEL ARYLOXY/BENZYLOXY TETRAHYDRONAPHTYL AZOLES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

155. DETERMINATION AND PHARMACOKINETIC STUDY OF BIOCHANIN A AND ITS METABOLITE GENISTEIN IN RAT PLASMA BY LIQUID CHROMATOGRAPHY–MASS SPECTROMETRY

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**156. EVALUATION OF CARDIOTONIC ACTIVITY OF THE LEAVES OF
MIMOSA PUDICA LINN.**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**157. RBP-J AS A THERAPEUTIC TARGET TO RHEUMATOID ARTHRITIS- AN
IN SILICO STUDY**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**158. BIO-ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR
SIMULTANEOUS ESTIMATION OF DIASTEREOMERS OF S002-333, A
POTENT ANTI-THROMBOTIC AGENT USING LC-MS/MS.**

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**159. SCHMIDT REARRANGEMENT OF PARTIALLY REDUCED BENZO FUSED
HETEROCYCLIC KETONS: SYNTHESIS OF LACTAMS AND AZOCINES**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

160. A ONE-POT BIGINELLI SYNTHESIS OF 3,4-DIHYDROPYRIMIDIN-2-(1H)-ONE (DHPM) USING N,N'-DICHLORO BIS (2,4,6-TRICHLOROPHENYL)UREA (CC-2)

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

161. ANTIOXIDANT AND ANTI CANCER ACTIVITY OF ALPINIA GALANGA ATTRIBUTES TO ITS MEDICINAL POTENTIAL

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

162. HOMOLOGY MODELING AND DOCKING STUDIES ON CYTOCHROME P450 2C19: PREDICTION OF SITE OF METABOLISM ON DRUGS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

163. CHALCONE BASED ARYLOXYETHYLAMINE AS ANTIHYPERGLYCEMIC AGENTS

Poonam Shukla, Jaya Tiwari, Prem Chandra Verma, Neha, Arvind Kumar Shrivastava and Ram Pratap*
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

164. A NEW COMBINED DOCKING AND HYDROGEN ABSTRACTION ENERGY MODEL TO PREDICT SITE OF METABOLISM ON CYP2C9 SUBSTRATES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**165. PHYTOCHEMICAL AND ANTIOXIDANT ACTIVITY OF HUGONIA MYSTAX
L. (LINACEAE)**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**166. EVALUATION OF ANTHELMINTIC ACTIVITY OF SOME NOVEL
SYNTHESIZED 3-SUBSTITUTED ISOCOUMARINS**

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**167. SEARCH OF ANTIMYCOBACTERIAL ACTIVITIES IN HYBRID
MOLECULES WITH BENZOPYRAN SKELETONS**

R.P. Tripathi^a, **Surendra Singh Bisht**^a, Vivek Parashar Pandey^a, Sarvesh Kumar
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Development, ^cMicrobiology, Central Drug Research Institute, Lucknow 226001,
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

**168. 16A-HYDROXYCLERODA-3, 13(14)Z-DIEN-15, 16-OLIDE, A NATURAL
LEAD FROM POLYALTHIA LONGIFOLIA AGAINST LEISHMANIASIS**

Koneni V. Sashidhara ^{a*}, **Suriva P. Singh**^a, Pragya Misra^b, Awanish Kumar^b, Reema
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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

169. DESIGN AND SYNTHESIS OF GALLIC ACID BASED PHENASTATIN ANALOGUES AS ANTICANCER AGENTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

170. CYTOTOXIC IRIDOID GLYCOSIDE FROM MYXOPYRUM SMILACIFOLIUM

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

171. EVALUATION OF WOUND-HEALING POTENTIAL OF COCCINIA GRANDIS (LINN.) STEM EXTRACT IN RATS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

172. 3D-QSAR COMFA AND COMSIA ON PROTEIN TYROSINE PHOSPHATASE 1B INHIBITORS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

173. SYNTHESIS AND DOCKING STUDIES OF A FEW ANTIDIABETIC LINEAR AND CYCLIC PEPTIDES

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

174. THE CELLULOSE NITRATE MEMBRANE OF MASK REDUCES THE EXPOSURE TO HAZARDOUS AIR POLLUTANTS

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

175. SYNTHESIS AND IN VIVO ANTIHYPERGLYCEMIC ACTIVITY OF FUNCTIONALIZED TERARYLS AND QUATERARYLS IN STZ-S MODEL

Vijay Kumar,^a Sumit Chaurasia,^a Pankaj Nag,^a Arvind K. Srivastava^b and Atul Goel^{a*}

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Abstract Published in Medicinal Chemistry Research, 19(1/6)?, 2010, page 00?

176. NEOFLAVONOIDS IN CANCER CHEMOPREVENTION: A MOLECULAR DOCKING INVESTIGATION

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177. QSAR STUDIES ON AZAINDOLE-A-ALKYLOXYPHENYLPROPIONIC ACID DERIVATIVES AS PPAR γ AGONIST

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178. DESIGN, SYNTHESIS AND EVALUATION OF NOVEL BIS-PYRIDINIUM OXIMES AS REACTIVATORS OF DFP AND SARIN INHIBITED ACETYLCHOLINESTERASE (ACHE)

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179. NOVEL STRATEGIES FOR THE SYNTHESIS OF STRUCTURALLY DIVERSIFIED COMPLEX TETRAHYDROISOQUINOLINES (THIQS)
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180. ANTI-ATHEROSCLEROTIC EFFECT OF AYURVEDIC DRUG ACHYRANTHUS ASPERA SEED L. EXTRACT AND ITS ISOLATED CRUDE SAPONINS ON LIVER AND AORTA OF HYPERLIPIDEMIC RATS

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181. PTEROCARPUS MARSUPIUM: A PROMISING ANTIDIABETIC PLANT

Akansha Mishra, Swayam Prakash Srivastava, Rakesh Maurya and Arvind kumar Srivastava
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182. SYNTHESIS OF SOME CARBAZOLE- AMINO ACID CONJUGATES

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183. EFFECT OF ANXIETY ON THE LEVEL OF OXIDATIVE STRESS MARKER

Alok S. Tripathi, A.P. Dewani, D.S. Mohale, A. Chandewar

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**184. A NEW STRATEGY FOR THE SYNTHESIS OF BENZOFURAN
DERIVATIVES: SYNTHESIS OF N-(2,3-DIPHENYL-NAPHTHLO (2,3-B)
FURAN-9-YL-ALKYL) ARYLAMIDES/IMIDES.**

V.K. Pandey and **Amar Singh Yadav***

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**185. SYNTHESIS AND BIOCHEMICAL CHARACTERIZATION OF 6-
AMINOPURINE ANALOGUES AS NOVEL XANTHINE OXIDASE
INHIBITORS**

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186. DEVELOPMENT OF AXENICALLY GROWING *LEISHMANIA DONOVANI* AMASTIGOTES EXPRESSING GFP AS AN *IN VITRO* MODEL FOR DRUG SCREENING

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187. POSSIBLE MOLECULAR MECHANISM UNDERLYING THE ANTILIESHMANIAL ACTIVITY OF *Nyctanthus arbortristis*

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188. SYNTHESIS AND THEIR ANTICANCER STUDY OF NOVEL *BIS* CHLACONE

Anindra Sharma^a, Munna Prasad Gupt^a, Bandana Chakravarti^b, Rituraj Konwar^b,
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189. ANTIDYSLIPIDEMIC AND ANTIOXIDANT ACTIVITY OF *PINUS ROXBERGHII* NEEDLES

Puri Anju, Srivastava, A.K., Barkha, S., Mishra, S.K., Srivastava, S. & Lakshmi, V.
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190. ENOLASE (2-PHOSPHO-D -GLYCERATE HYDROLASE): A POTENTIAL ANTILEISHMANIAL DRUG TARGET

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191. DESIGN AND SYNTHESIS OF MEDICINALLY IMPORTANT OXYGEN, NITROGEN AND SULPHUR CONTAINING HETEROCYCLICS

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192. EFFECTS OF EXTRACTS OF MARINE SPONGE *Halichondria panicea* ON FERTILITY USING MICE MODELS

Asha J. Rao, V.I.Katchi, Gayathri N., B.M. Gore, S.P.Jumale
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193. LIPID LOWERING ACTIVITY OF FLAVONES IN TRITON TREATED HYPERLIPEMIC RATS

A. K. Khanna^a, S. Srivastava^b, S. K. Mishra^b, V. Lakshmi^b, G. Bhatia^a, J.K.Saxena^a
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194. STRUCTURE-BASED PHARMACOPHORE STUDY OF ESTROGEN RECEPTOR MODULATORS

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195. DEVELOPMENT OF TETRAHYDROPYRAN BASED COX-2 AND TUMOR

GROWTH INHIBITORS: RATIONAL DESIGN, SYNTHESSES, BIO-EVALUATION AND SAR ANALYSIS

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196. SYNTHESIS AND ANTIMICROBIAL STUDIES OF HETERO ARYL QUINAZOLINE DERIVATIVES CARRYING COUMARIN MOIETY

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197. BLOCK COPOLYMER SELF-ASSEMBLED MICELLES AS NANOCARRIERS FOR AMPHOTERICIN B

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198. BIOLOGICAL ACTIVITY OF 3-MERCAPTO-1,2,4-TRIAZOLES AND THEIR SEMI-EMPIRICAL STUDIES

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199. SCREENING PLATFORMS FOR NEW ANTIDIABETIC COMPOUNDS

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200. COMPUTATIONAL PREDICTION OF SMALL MOLECULES BINDING TO FUNCTIONALLY IMPORTANT DDX3X-EXPORTIN-1 INTERFACIAL DOMAIN THAT SUPPORTS NUCLEAR EXPORT OF HIV-1 UNSPLICED RNA

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201. CELL CYCLE EFFECTS OF SELECTED HERBS ON *CANDIDA ALBICANS* FOR MDR ACTIVITY

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202. E-B-ELEMENE AS AN ANTICANCER ACTIVITY COMPOUND IN *MICHELIA CHAMPACA* LINN

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203. MEDICINAL PLANTS AS A POTENTIAL TO TREAT *IN VITRO* CULTURES OF *LEISHMANIA DONOVANI*-CAUSAL ORGANISM OF KALA AZAR.

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204. SYNTHESIS, CHARACTERIZATION AND EVALUATION OF ANTICANCER AND ANTIOXIDANT ACTIVITIES OF 1,3,4-OXADIAZOLINES

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**205. EVALUATION OF VARIOUS DOCKING PROTOCOLS
FOR DNA-LIGAND INTERACTION STUDIES**

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**206. DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF NOVEL ANTI
HIV AGENTS**

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**207. SEMI-EMPIRICAL BASED QSAR STUDIES OF SCHIFF BASE DERIVATIVES
OF 4- METHYLPYRIDIN-2-AMINES AS ANTIMICROBIAL AGENTS**

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**208. DELINEATING THE BINDING DOMAINS OF APOPTOSIS-INDUCING
FACTOR DURING CEREBRAL ISCHEMIA**

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209.

Poster Session IV (21-02-2010 at 13.00 hrs)
Poster No. 211-280

210. HOMOLOGY MODELLING AND DOCKING STUDIES OF PHENYLALANYL T-RNA SYNTHETASE SUBUNIT A INHIBITORS IN *S. AEREUS* INFECTIONS

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211. A NEW ENTRY TO PHENANTHRIDINE RING SYSTEMS VIA SEQUENTIAL C-C BOND FORMING REACTIONS

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212. AN EFFICIENT AND STRAIGHT FORWARD STRATEGY FOR THE SYNTHESIS OF 5(S)-AMINOALKYL PYRROLIDIN-2-ONES

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213. SYNTHESIS AND BIOLOGICAL EVALUATION OF 1, 2, 3 TRISUBSTITUTED-1, 4-DIHYDROBENZO [g] QUINOXALINE-5, 10-DIONES AND RELATED COMPOUNDS AS ANTIFUNGAL AND ANTIBACTERIAL AGENTS.

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214. TOPOLOGICAL DESCRIPTOR BASED QSAR STUDY OF TESTOSTERONE DERIVATIVES

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215. INHIBITOR-INHIBITION BASED COMPARATIVE QSAR STUDY OF O-PHOSPHORYLATED OXIME DERIVATIVES AGAINST THE ENZYME ACETYLCHOLINESTERASE

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216. SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL STUDIES OF Ti(III), V(III), Ru(III), Ru(II), Rh(III), Ir(III), Fe(III) AND Mn(III) COMPLEXES

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217. SYNTHESIS OF 1H- (1- CYCLOPROPYLPHENYLMETHYL)- AND 1-(PHENYL-BUT-3-ENYL)-1,2,3-TRIAZOLES AND THEIR ANTIMICROBIAL EVALUATIONS

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218. SYNTHESIS, MOLECULAR MODELING AND THEIR ANTITUBERCULAR EVALUATIONS OF BENZYLIDENE TETRAHYDROQUINAZOLINES

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219. **MOLECULAR MODELING AND STRUCTURAL CHARACTERIZATION OF BRCA1-ZBRK1 COMPLEX TO INTERPRET NEW INSIGHT IN CANCER BIOLOGY**

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220. **SYNTHESIS AND *IN VITRO* ANTIMICROBIAL STUDIES OF NOVEL 1-(4-(2-BENZHYDRYLPIPERAZIN-1-YL)ACETYL)PHENYL)-3-ARYLUREA DERIVATIVES**

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221. **DOCKING, QSAR AND SHAPE-BASED SCREENING OF CURCUMINE DERIVATIVES AS HIV-1 INTEGRASE INHIBITORS**

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222. **PIPERIDINES AS INHIBITORS OF 11 β -HYDROXYSTEROID
DEHYDROGENASE TYPE 1.**

Pinkal N. Prajapati, Amol A. Thorave, Rajendra K. Kharul*, Jignesh Pethani, Hardik shah, Darshan Joshi, Krunal Kothari, Shital Shah, Prasenjit Mitra, Mukul Jain.
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ZRC Communication No. 310

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223. **ISOLATION OF MEDICINALLY ACTIVE CHEMICAL CONSTITUENTS
FROM SEEDS OF *Mucuna pruriens* USING SPECTROSCOPIC METHODS.**

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224. **TOXICOINFORMATICS- A POTENT TOOL IN DRUG DESIGN**

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225. **PROTEOMIC ANALYSIS OF A CLINICAL ISOLATE OF *LEISHMANIA
DONOVANI* PROMASTIGOTES FOR IDENTIFICATION OF DRUG TARGETS
FROM MEMBRANE-ENRICHED FRACTION**

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226. **PIPERONAL BASED NEOFLAVONOIDS AS CANCER CHEMOPREVENTIVE
AGENT**

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227. CLONING AND OVEREXPRESSION OF ELONGATION FACTOR 2 – A POSSIBLE DRUG TARGET FROM LEISHMANIA DONOVANI

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228. DOCKING AND MM/PBSA BASED 3D QSAR ANALYSIS OF PLASMODIUM FALCIPARUM DIHYDROOROTATE DEHYDROGENASE

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229. NANOPHARMACOLOGY – A REVIEW

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230. EVALUATION OF NUTRITIVE POTENTIAL OF HOT MIXED SPICES/ MIXED MEAT SPICES OF INDIAN BRANDS IN TERMS OF ELEMENTAL ANALYSIS AND ELEMENTS RESPONSIBLE FOR FOOD TOXICITY, USING NAA, AAS, ICP, UV-VISIBLE-SPECTROPHOTOMETER, FLAME PHOTO METER

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231. **LIQUID CHROMATOGRAPHY- TANDOM MASS SPECTROMETRY METHOD FOR IDENTIFICATION AND QUANTIFICATION OF TWO LIVER PROTECTING COUMARINOLIGNOIDS CLEOMISCOSIN A AND CLEOMISCOSIN B**

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232. **SYNTHESIS, P38 KINASE INHIBITORY AND ANTI-INFLAMMATORY ACTIVITY OF NEW SUBSTITUTED BENZIMIDAZOLE DERIVATIVES**

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233. **LOCALISATION OF ALDOLASE, A POTENTIAL DRUG TARGET, IN GLYCOSOMES AND FLAGELLA OF *LEISHMANIA DONOVANI***

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234. **FORMULATION- DEVELOPMENT AND EVALUATION OF FAST DISPERSIBLE/SLOW RELEASING TABLET USING NATURAL POLYMER**

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235. **APPLICATION OF PLANT BIOINFORMATICS IN THE PREDICTION OF MEDICINAL PROPERTIES OF MARINE ORGANISMS FOR ANTI-PARASITIC PROPERTIES**

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236. **ANTIDIABETIC, ANTIDYSLIPIDEMIC AND ANTICATARACT ACTIVITY OF CUMINUM CYMINUM IN VALIDATED ANIMAL MODELS OF TYPE 2 DIABETES MELLITUS**

Rohit Srivastava*, Swayam Prakash Srivastava, Vikram Bhatia, Natasha Jaiswal, Rakesh Maurya and Arvind Kumar Srivastava

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237. **REGIOSELECTIVE INTRAMOLECULAR ELECTROPHILIC SUBSTITUTION REACTIONS INVOLVING π -DEFICIENT PYRIDINE SUBSTRATES**

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238. **STRUCTURE AND LIGAND BASED PHARMACOPHORIC STUDIES ON TRIAZOLOPYRIMIDINE AND THIAZOLIDINONE SERIES OF CDK2 INHIBITORS**

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239. **UNDERSTANDING THE BASIS OF SIMILAR ANTIBACTERIAL BUT CONTRASTING CYTOTOXIC ACTIVITIES OF A NOVEL LEUCINE ZIPPER**

PEPTIDE AND ITS ANALOGS AGAINST BACTERIA AND MAMMALIAN CELLS.

Aqeel Ahmad, **Sarfuddin Azmi** and Jimut Kanti Ghosh
Central Drug Research Institute, Lucknow-226001

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240. OPTIMIZATION OF STRUCTURE OF CYCLIN DEPENDENT KINASE-1 INHIBITORS – A QSAR STUDY

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241. DESIGN OF CELL-SELECTIVE ANALOGS OF BOVINE CATHELICIDIN ANTIMICROBIAL PEPTIDE BMAP-27 BY INCORPORATING MINOR AMINO ACID SUBSTITUTION IN ITS SEQUENCE

Aqeel Ahmad, Sarfuddin Azmi, Raghvendra M. Srivastava, **Saurabh Srivastava**,
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242. PROFILE OF GLUCOSE TRANSPORTER PROTEIN-4, INSULIN RECEPTOR SUBSTRATE-1 AND PROTEIN KINASE B IN DB/DB MICE TREATED WITH LEAD CDRI SYNTHESIZED ANTI-DIABETIC COMPOUND.

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243. SYNTHESIS OF HYBRID MOLECULES WITH CARBOHYDRATE, AROMATICS AND HETEROCYCLE SKELETONS AS POTENT ANTIDIABETICS

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244. SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF CERTAIN 1,3-BENZOXAZINE DERIVATIVES OF FLAVONES

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245. α -GLUCOSIDASE INHIBITION BY 5-BROMOSALICYLALDEHYDE AND SOME SCHIFF BASES

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246. REGIOSELECTIVE ZnCl₂ CATALYZED ONE-POT SYNTHESIS OF 2-AMINO-5,10-DIHYDRO-5,10-DIOXO-4-PHENYL-4H-BENZO[g]CHROMENE DERIVATIVES

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247. AQUEOUS GARLIC EXTRACT SUPPRESSES INFLAMMATORY RESPONSES DEVELOPED IN RESPONSE TO LPSSTIMULATED RAW 264.7 CELLS.

Subhadip Das, RudraNarayana Munda, Mriganka Mandal, Abhishek Nandy, Krishna Das Saha.
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248. PHARMACOPHORE MODELING OF DIARYLALKYL IMIDAZOLE AND TRIAZOLE DERIVATIVES AS POTENT AROMATASE INHIBITORS

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249. **APPLICATION OF 7-ENDO TRIG PICTET-SPENGLER CYCLIZATION
LEADING TO THE SYNTHESIS OF NOVEL BENZOAZEPINOINDOLE AND
NATURALLY OCCURRING SKELETON PYRROLO[2,1-C][1,4]
BENZODIAZEPIN-5-ONE AND THEIR DERIVATIVES**

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250. **BIOACTIVITIES OF ESSENTIAL OILS OF CUPRESSUS SEMPERVIRENS
AND EUCALYPTUS SALIGNA AGAINST CALLOSOBRUCHUS CHINENSIS (L.)
AND SITOPHILUS ORYZAE (L.)**

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251. **DFT BASED QSAR STUDY OF (MPGES-1) INHIBITORS**

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252. **ACACIA CATECHU HARD WOOD: POTENTIAL ANTI-DIABETIC CUM
ANTIDYSLIPIDEMIC AGENT**

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253. A RECOMBINANT NON-PATHOGENIC MYCOBACTERIAL STRAIN FOR SCREENING OF FAS II PATHWAY INHIBITING ANTIMYCOBACTERIAL DRUGS

Vandana Singh and Bhupendra N Singh
Current Trends in Drug Discovery Research, CDRI, Lucknow - 226 001, INDIA

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254. DESIGN AND SYNTHESIS OF COMBRETASTATIN ANALOGUES ON STEROIDAL FRAME-WORK AS ANTI-BREAST CANCER AGENTS

Vandana Srivastava, Uzma Faridi, J.K. Kumar, Karuna Shanker, C.S. Chanotiya, Atul Gupta, M.P. Darokar, Suaib Luqman, Arvind Singh Negi*
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255. BIOACTIVE SECONDARY METABOLITES FROM THE SYMBIOTIC MICROBES ISOLATED FROM TOXIC SPRAY OF MARINE INVERTEBRATE ZOANTHUS SP.

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256. ANTIMALARIAL ACTIVITY IN XYLOCARPUS GRANATUM (KOEN)

V.Lakshmi, S.Srivastava, S.K.Mishra, M.N.Srivastava, K.Srivastava and S.K.Puri .
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257. MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN INHIBITION INFLUENCES INSULIN SENSITIVITY AND ATHEROSCLEROSIS RISK IN ZUCKER FATTY RATS

Vipin Dhote, Samadhan Kshirsagar, Nirav Dhanesha, Saurin Raval, Amit Joharapurkar, Mukul Jain, and Pankaj R. Patel.

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258. **EX-VIVO MOUSE VAS DEFERENS ASSAY: A QUICK AND RELIABLE TOOL TO PROBE CB1 ANTAGONISTIC ACTIVITY AND POTENCY.**

Vishwanath D. Pawar, Rakesh B. Patel, Shaival B. Shah, Anuj Kumar Singh, Jayendra Z. Patel, Rina Soni, Samadhan Kshirsagar, Amit Johrapurkar, Mukul R. Jain, Pankaj R. Patel and Brijesh Kumar Srivastava.

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259. **SYNTHESIS AND ANTI-LEISHMANIAL STUDIES OF 1-PHENYL-4-GLYCOSYL-DIHYDROPYRIDINES**

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260. **ENZYME-INHIBITOR COMPLEXES OF PEPTIDIC HIV-1-PROTEASE INHIBITORS AND RECEPTOR AMINO ACIDS: A THEORETICAL FORMALISM**

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261. **HOMOLOGY MODELING AND DOCKING STUDY OF HUMAN ADENOCINE RECEPTOR A1**

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262. ALDOSE REDUCTASE INHIBITORY ACTIVITY IN SOME TERRESTRIAL ANTIDIABETIC PLANTS

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263. STRUCTURE-BASED DESIGN OF ANTIBACTERIALS TARGETING DNA GYRASE B

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264. ALPHA-GLUCOSIDASE INHIBITORY POTENTIAL IN FEW TERRESTRIAL ANTIDIABETIC PLANTS

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265. EXPLORATION OF ANTIHYPERGLYCAEMIC ACTIVITY IN *LEUCAS INDICA*

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266. EVALUATION OF APOPTOSIS INDUCING ACTIVITY OF A 4-THIAZOLIDINONE BASED POTENTIAL ANTICANCER AGENT

Dinesh T. Makhija, Rakesh R. Somani*, Prabhakar Y. Shirodkar, Aparna V. Chavan
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267. RADIOLABELLING AND CRITICAL EVALUATION OF ^{99m}Tc-GLUCARIC ACID AS A POTENTIAL TUMOUR MARKER

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268. IDENTIFICATION AND QUANTIFICATION OF BIOMARKER URSOLIC ACID IN THREE SWERTIA SPS

Mansi Gupta, Deepa Bisht, Subha Rastogi, Sayyada Khatoun,
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269. DISCOVERY OF A LEAD FOR THE DEVELOPMENT OF NOVEL HETEROCYCLE-FUSED FLUOROQUINOLONES

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270. ASSESSMENT OF ANTIBACTERIAL POTENTIALITY OF WITHANIA SOMNIFERA IN COMBINATION WITH SOME ANTIBIOTICS & NON-ANTIBIOTIC ON PATHOGENIC BACTERIA

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271.

**A LOOK AT SELECTED ANTIDIABETIC PLANTS: SCIENTIFIC
VALIDATION**

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272.

**METFORMIN INHIBITS INTRA CELLULAR LIPID ACCUMULATION IN
THE SUBMURINE PRE-ADIPOCYTE CELL LINE , I.E. 3T3-L1**

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273.

**MODELING TOXICITY OF SOME AROMATIC COMPOUNDS TOWARDS
TETRAHYMENA PYRIFORMIS USING SOME PHYSICO-CHEMICAL
PARAMETERS**

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274.

**DEVELOPMENT OF HUMAN CYTOKINES BASED REPORTER CELL LINE:
IN VITRO MODEL FOR IMMUNOTOXICITY TESTING OF DRUGS**

Dharamsheela, Pankaj Singh, Balawant Kumar, Poonam Singh and R.K. Tripathi
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275. ORALLY AVAILABLE HYDROXAMATES AS HDAC INHIBITORS

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276. A NOVEL THROMBOXANE SYNTHASE INHIBITOR AND ITS EFFECTS ON ANIMAL MODELS OF INFLAMMATORY BOWEL DISEASE

Sukunath N., **Thirunavukkrasau S.**, Saravanan T., Sridharan Rajagopal, Gopalan B.
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277. QSPR OF SOME NEW ANTI-TUBERCULOSIS AGENTS BASED ON REGRESSION METHODS

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278. INTERACTION OF CHAPERONE A-CRYSTALLIN WITH UNFOLDED STATE OF A-AMYLASE: IMPLICATIONS FOR RECONSTITUTION OF THE ACTIVE ENZYME

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279. DART MS ANALYSIS OF PIPER BETLE LINN. CULTIVARS

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280. **ANTIFILARIAL EFFICACY OF *HIBISCUS SUBDARIFFA* ON
LYMPHATIC DWELLING FILARIAL PARASITE *BRUGIA*
*MALAYI***

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