List of Publications

   Cytotoxic Activity of 3-(5-Phenyl-3H-[1,2,4]dithiazol-3-yl)chromen-4-ones and 4-oxo-4H-chromene-3-carbothioic acid N-phenylamides

   Mechanism of unusual formation of 3-(5-phenyl-3H-[1,2,4]dithiazol-3-yl)chromen-4-ones and 4-oxo-4H-chromene-3-carbothioic acid N-phenylamides and their antimicrobial evaluation

   Synthesis and Cytotoxic Activity of Some Novel Polycyclic γ-Butyrolactones

   Unusual Conversion of Substituted-3-formylchromones to 3-(5-Phenyl-3H-[1,2,4]dithiazol-3-yl)-chromen-4-ones: A Facile and Efficient Route to Novel 1,2,4-Dithazole
   *(Tetrahedron Lett. 49, 243-246, 2008).*

   Synthesis of Constrained Aromatic β2,3,3'-Amino alcohol Scaffolds – Precursors of Non-proteinogenic Phenylalanine for Peptidomimetics

   Regio-and π-facial Selective Cycloadditions Involving 2-Phenyl-4-dimethylamino-1-thia-3- azabuta-1, 3-diene and Allenic esters: An Efficient Route to Novel 6-Alkylidene-6H-2-phenyl- 5-ethoxycarbonyl-1, 3-thiazines
   *(Synthesis, 775, 2004).*

   Synthesis and evaluation of novel 2-subsituted-quinazolin-4(3H)-ones as potent analgesic and anti-inflammatory agents
   *(Arch. Pharm. Chem. Life Sci., Vol. 343, 1-6, 2010).*

8. B. A. Rather, **Tilak Raj**, M. P. S. Ishar, B. Singh and P. Paneersalvam
   Anticonvulsant activity of some Schiff bases of 3- amino-6,8-dibromo-2-phenyl-quinazolin-4(3H)–ones
   *(Indian J. Pharmaceutical Sciences, Vol. 72 (3), 34-37, 2010).*
Papers Presented in Conferences/Symposia

Anti-inflammatory activity of Schiff bases of 3-amino-6, 8-dibromo-2-phenyl-quinazolin-4(3H)-ones

Synthesis and Cytotoxic Evaluation of 3-(5-Phenyl-8H[1,2,4]dithiazol-3-yl)chroman-4-ones
Presented at 27th Annual Conference of Indian Council of Chemists, Gurukul Kangri University, Haridwar, India, December 26th to 28th, 2009, PCO-09, p. 286-287.

Chromone Based Anticancer Agents: Synthesis and Evaluation of New Chromano-isaoxazoldines
Presented at 27th Annual Conference of Indian Council of Chemists, Gurukul Kangri University, Haridwar, India, December 26th to 28th, 2009, PCO-08, p. 286.

12. MPS, Ishar, Tilak Raj, RK Bhatia and R. Kumar
Synthesis and Evaluation of Highly Potent Antimicrobial Chromanyl-1,2,4-dithiazoles
Presented at Ehrlich II- 2nd World Conference on Magic Bullets Celebrating the 100th Anniversary of the Nobel Prize Award to Paul Ehrlich, Nurnberg, Germany, October 3-5, 2008.

Anticonvulsant Activity of Some Novel Schiff Bases of 3-Amino-6,8-dibromo-2-phenyl-quinazolin-4(3H)ones
Presented at 60th Indian Pharmacy Congress, held at New Delhi, India, December 12-14, 2008, MC-43, pp 194.

14. Tilak Raj and M.P.S Ishar
Mechanistic Investigations on Exoselective, Intramolecular (4+2) Phototransformation of Some Arylidene-β-ionones to Novel Tricyclic Ketones in Aqueous Organic Solvent

15. Tilak Raj, Lakhwinder Singh and M.P.S.Ishar
Exoselective, Intramolecular (4+2) Phototransformation of Some Arylidene-β-ionones to Novel Tricyclic Ketone in Aqueous Organic Solvent: A Mechanistic Detail
Presented at 9th CRSI National Symposium in Chemistry Held at Delhi University, Delhi Feb 1-4, 2007, P. 88.


Novel Route to 3-(5-Phenyl-3H-[1,2,4]dithiazole-3-yl)-chromen-4-one


17. **Tilak Raj**, G. Singh and M.P.S. Ishar

Thermal cycloadditions of 2-Phenyl-4-dimethylamino-1-thia-3-azabuta-1,3-diene with 3-Formylchromones: Development of an Efficient Route to Novel Chromano-thiazines

Presented at 7th CRSI national Symposium, held at Indian Association for Cultivation of Science, Kolkata, February 4-6, 2005, P-302.

**National Awards**

1. **3rd National Research award (Aneveshan)**, in the category of Health and Allied Subjects Conducted by Indian Association of Universities, New Delhi at Howra, India. **25, Feb. 2009**

2. **1st North Zone Award**, (Aneveshan), in the category of Health and Allied Subjects Conducted by Indian Association of Universities, New Delhi at Amritsar, India. **4, Feb. 2009**

3. **Young Scientist Award** in the category of the Pharmaceutical sciences Conducted by Indian council of Chemist, Guru Kulkangri University, Haridwar, Uttra Khand, India **28, Dec. 2008**