The reaction of the 2-arylhydrazonopropanal 3a with 2-amino1,1,3-tricyanopropene 4 afforded the pyridopyridazines 6. On the other hand, reaction of 3b with 4 afforded 7. Compounds 3a,b also condensed with 2-aminobenzimidazole and 3(5)-amino-1,2,4-triazole to yield azolopyrimidines 10 and 13. Refluxing compounds 3a,b in acetic acid in the presence of ammonium acetate afforded 2,3,6,7-tetraaza-bicyclo[3.3.1]nona-3,7-diene 14 and aroylcinnoline 15 respectively.

*Key words:* 2-Arylhdyrazonopropanals, Pyridopyridazines, Aminotriazole, Azolopyrimidines, Aroylcinnoline