

**PULMONARY TUBERCULOSIS:
PREVALENCE AND AWARENESS IN WARD NO.8 AND 9 OF
JANAKPUR, DHANUSHA**

**A THESIS SUBMITTED IN PARTIAL FULFILMENT OF
THE REQUIREMENTS FOR MASTER'S DEGREE OF
SCIENCE IN ZOOLOGY WITH SPECIAL PAPER
PARASITOLOGY**

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RECOMMENDATION

It is on pleasure to mention here that Mr. Pankaj Kumar Tiwari has carried out the thesis work entitled "**PULMONARY TUBERCULOSIS: PREVALENCE AND AWARENESS IN WARD NO.8 AND 9 OF JANAHPUR, DHANUSHA**". Under on supervision and guidance. It is his original work and brings out useful results and findings in the concerned field.

We strongly recommend this thesis for approval for the partial fulfillment of the requirement for the Master's Degree of Science in Zoology (Parasitology).

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LETTER OF APPROVAL

On the recommendation of supervisor Dr. Ranjana Gupta, this thesis of Mr. Pankaj Kumar Tiwari entitled "**PULMONARY TUBERCULOSIS: PREVALENCE AND AWARENESS IN WARD NO.8 AND 9 OF JANAHPUR, DHANUSHA**" is approved for examination and is submitted to the Tribhuvan University in partial fulfillment of the Master's Degree of Science in Zoology with Parasitology as a Special Paper.

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We certify that this thesis presented by Mr. Pankaj Kumar Tiwari entitled "**PULMONARY TUBERCULOSIS: PREVALENCE AND AWARENESS IN WARD NO.8 AND 9 OF JANAKPUR, DHANUSHA**" is satisfactory in quality as a thesis in the partial fulfillment of Master's Degree of Science in Zoology with Parasitology as a special paper.

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ABSTRACT

Tuberculosis remains a major global public health problem particularly in developing and underdeveloped countries. In case of Nepal also, it is one of the major health problems. A study was conducted in 250 peoples of ward 8 and 9 of Janakpur Municipality. Study work was carried out in Janakpur Municipality of Dhanusha district during May and June 2006. A total of 250 sputum samples were randomly collected by direct home visit from suspected persons and the samples were examined by Ziehl-Neelsen (Z-N) staining method. Out of 250 samples, a total of 9 (3.6%) AFB positive cases were detected. Out of total AFB positive cases 66.66% were males and 33.33% females but the sex wise difference in the prevalence of tuberculosis was not found to be statistically significant. High incidence of disease prevailed among productive age group (20-40 years) but difference with their age-group was not found to be statistically significant.

In the study area, 84% respondents knew about TB disease. Smoking is the predisposing factor of tuberculosis where 56% respondents were current smokers and smoked between 10 to 20 cigarettes/day.

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LIST OF ACRONYMS

AFB	Acid Fast Bacilli
ALA	American Lung Association
BCG	Bacilli Calmette Guerin
DHO	District Health Officer
DOTS	Directly Observed Treatment Short Course
EMBort	Ethambutol
INH or H	Isoniazid
IUAT	International Union Against Tuberculosis
<i>M. tuberculosis</i>	<i>Mycobacterium tuberculosis</i>
MDR	Multi-Drug Resistant
NGO	Non-Governmental Organization
NTC	National Tuberculosis Center
PDR	Primary Drug Resistant
PHO	Public Health Officer
PTB	Pulmonary Tuberculosis
STC	SAARC TB and HIV/AIDS Center
TB	Tuberculosis
VF	Visual Fields
Z	Pyrazinamide
Z.N.	Ziehl Neelsen

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