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**LIST OF ABBREVIATIONS AND SYMBOLS**

|  |  |
| --- | --- |
| **<** | = Less than |
| **>** | = Grater than |
| **≤** | = Less than or equal |
| **≥** | = Greater than or equal |
| DLS | = Department of Livestock Services |
| GDP | = Gross Domestic Products |

**ACKNOWLEDGEMENT**

All praises are due to Almighty **ALLAH**, the creator & supreme authority of the universe; who enabled me to complete this work successfully.

The author would like to express his deep sense of gratitude and thanks to Professor **Dr. A. S. Mahfuzul Bari**, Vice Chancellor of Chittagong Veterinary and Animal Sciences University.

I take the opportunities to express my deepest sense of respect and heartfelt appreciation to Professor **Dr. Kabiul Islam Khan**, Dean, Doctor of Faculty of Medicine (DVM), Chittagong Veterinary and Animal Sciences University.

It is deemed as a proud privilege and extra terrestrial pleasure to express author ever indebtedness, deepest sense of gratitude, sincere appreciations, profound regards to reverend and beloved teacher and supervisor, **Dr.** **Md. Shafiqul Islam,** Lecturer, Department of Pathology & Parasitology, Chittagong Veterinary and Animal Sciences University; for his scholastic guidance and uncompromising principles, sympathetic supervision, valuable advice, constant inspiration, affectionate feeling, radical investigation and constructive criticism in all phases of this study and preparing the manuscript.

The author highly express his sincere gratitude and gratefulness to the internship coordinator, **Dr. Bibek Chandra Sutradhar,** Director of External Affairs, Chittagong Veterinary and Animal Sciences University, for his constant inspiration and cordial co operation and valuable suggestions for the completion of this study The author is ever indebted to his parents for their sacrifices, blessing and encouragement to get him in this position.

*The author*

*June 2013*

**COMMON HEMO-PARASITIC INFECTION WITH**

**THEIR PREVALENCE IN GOAT IN DINAJPUR SADAR**

**ABSTRACT**

The study was carried out for a period of 50 days from 15th May to 4th July, 2013 to measure the proportional prevalence of blood parasitic diseases in goat in the area of Dinajpur Sadar region and to identify the risk factors associated with blood parasitic diseases. A total of 60 goats were included for epidemiological study, laboratory examination and statistical analysis. The epidemiological survey of this study was carried out using preset questionnaires, for laboratory examination peripheral blood smears from ear vein were prepared from goat at District Veterinary Hospital, Dinajpur. Result revealed that the proportional prevalence of anaplasmosis at Sadar, Dinajpur was 8.33%. Host risk factors such as types of animal, age, Breed and presence of ticks were investigated for the possible association with frequency of blood parasitic diseases. The proportional prevalence of anaplasmosis in male and female animals was 5.00% and 10.00% respectively. At the age of below 6 months of goats were more infected (26.67%) with anaplasma organism than other groups. The prevalence of tick infestation was 43.33% in goat.

**Keywords:** Goat, Hemo-parasitic diseases, Age, Sex, Breed, Tick.