

رسالة

**THE RELATIONSHIP BETWEEN TOTAL
SERUM IgE LEVELS, EOSINOPHIL COUNTS
AND IL-4 PRODUCTION IN CIGARETTE
SMOKERS AND THEIR CHILDREN**

**Thesis Submitted for Partial Fulfillment of the
Master Degree in Bacteriology**

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LIST OF ABBREVIATIONS

ADCC:	Antibody dependent cellular cytotoxicity
CD:	Cluster of differentiation
CLC:	Charcot Lyeden crystal protein
CNS:	Central nervous system
COPD:	Chronic obstructive pulmonary disease
ELISA:	Enzyme linked immunosorbent assay
FEV1:	Forced expiratory volume in one second
GIT:	Gastrointestinal tract
GMCSF:	Granulocyte macrophage colony stimulating factor
Ig:	Immunoglobulin
IL-:	Interleukin
IFN- γ :	Interferon- γ
MBP:	Major basic protein
MIP:	Macrophage inflammatory protein
NK:	Natural killer
NKCA:	Natural killer cytotoxic activity
PBMNCs:	Peripheral blood mononuclear cells
PCR:	Polymerase chain reaction
PEFR:	Peak expiratory flow rate
RAST:	Radioallergosorbent test
TGF:	Transforming growth factor
Th:	T-helper
TLC:	Total leukocytic count
TNF- α :	Tumour necrosis factor
WBCs:	White blood cells

***Introduction and
Aim of the work***

