

LIST OF ABBREVIATIONS:

A1AT/AAT/α 1AT	: Alpha-1-Antitrypsin
ACT	: α 1-antichymotrypsin
API	: Antiprotease Inhibitor
ATS	: American Thoracic Society
CAL	: Chronic Airflow Limitation
CD-14	: Cluster of Differentiation 14
CDC	: Centers for Disease Control and Prevention
CH₃COOH	: Acetic Acid
CIA	: Chloroform Isoamyl alcohol
CNLD	: Chronic Non-specific Lung Disease
COAD	: Chronic Obstructive Airways Disease
COLD	: Chronic Obstructive Lung Disease
COPD	: Chronic Obstructive Pulmonary Disease
CORD	: Chronic Obstructive Respiratory Disease
CWP	: Coal Worker's Pneumoconiosis
DALYs	: Disability Adjusted Life Years
Dmf	: Dry Mineral Matter Free
DNA	: Deoxyribonucleic acid
DLCO	: Diffusing Capacity of the Lung for Carbon Monoxide
EDTA	: Ethylenediaminetetraaceticacid
ERS	: European Respiratory Society
ESR	: Electron Spin Resonance
ETS	: European Thoracic Society
FEV1	: Forced Expiratory Volume in one Second

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FRC	: Functional Residual Capacity
FVC	: Forced Vital Capacity
GBDS	: Global Burden of Disease Study
Glu	: Glutamic acid
GOLD	: Global Initiative for Obstructive Lung Disease
GSH	: Glutathione
GST	: Glutathione-S-Transferase
GSTM1	: Glutathione-S-Transferase mu 1
GSTT1	: Glutathione-S-Transferase theta 1
HCl	: Hydrochloric Acid
HNE	: Human Neutrophil Elastase
HO-1	: Heme Oxygenase - 1
ICD	: International Classification of Diseases
ICMR	: Indian Council of Medical Research
IgA	: Immunoglobulin A
IgG	: Immunoglobulin G
IL-8	: Interleukin - 8
K	: Kruskal-Wallis Analysis of Variance
Lys	: Lysine
MgCl₂	: Magnesium Chloride
ml	: millilitre
Na₂S₂O₅	: sodium metabisulphite
NADPH	: Nicotiamide Adenine Dinucleotide Phosphate
NaNO₂	: Sodium Nitrite
NECF-CIL	: North-Eastern Coal Fields- Coal India Limited

NEDA	: N-(1-naphyl)-ethylenediamine di-hydrochloride
ng	: nanogram
NHLBI	: National Heart Lung and Blood Institute
NICE	: National Institute for Clinical Excellence
NIH	: National Institute of Health
NO₂	: Nitrogen dioxide
OR	: Odds Ratio
PCR	: Polymerase Chain Reaction
PEF	: Peak Expiratory Flow
PiMM	: Protease Inhibitor MM
PiZZ	: Protease Inhibitor ZZ
PMF	: Progressive Massive Fibrosis
RFLP	: Restriction Fragment Length Polymorphism
ROS	: Reactive Oxygen Species
RSPM	: Respirable Suspended Particulate Matter
SDS	: Sodium Dodecyl Sulphate
SO₂	: Sulphur Dioxide
SOD	: Super Oxide Dismutase
TCM	: Potassium Tetrachloromercurate
TE	: Tris- EDTA
TH-1	: T helper type 1
TLC	: Total Lung Capacity
TSP	: Total Suspended Particulate
USDHHS	: United States Department of Human and Health Services.
WHO	: World Health Organisation

χ^2	: chi square
μg	: microgram
μl	: microliter
μM	: micromolar

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LIST OF TABLES:

	Page No.
Table 1 Assessment of severity of COPD (Celli et al, 2004)	7
Table 2 Coal Mine Coverage in North-East India	31
Table 3 Levels of serum alpha 1 antitrypsin and respective genotypes.	42
Table 4 Environmental factors influencing the risk of COPD. (Walter et al, 2000)	47
Table 5 Protocol of reagent preparation for extraction of DNA from Human whole blood.	69-70
Table 6 Observation of occurrence of COPD in coal mine area and non-coal mine area.	75
Table 7 (a) Concentration of Air Components at Coal Mine Site observed at different periods of the years (2009, 2010)	78
Table 7 (b) Concentration of Air Components at Non-Coal Mine Site observed at different periods of the years (2009, 2010)	79
Table7 (c) Average rainfall observed at different periods at Non-Coal mine site, Jorhat.The data were collected from automated weather station Central Muga and Eri Research Institute, Jorhat.	80
Table 7 (d) Average rainfall observed at different periods at Coal mine site, Ledo. The data were collected from Regional Meterological Centre, Guwahati.	80
Table 8 Demographic and Lung Function observations in the subjects Participating in our study at Open cast coalmine site (Ledo, Assam).	81
Table 9 Regression analysis of Lung function versus coal dust exposure years amongst subjects at coal mine site.	82
Table 10 Correlation analysis of Lung function versus coal dust exposure years amongst subjects at coal mine site.	82
Table 11 Regression analysis of Lung function versus smoking pack years amongst subjects at coal mine site.	83
Table 12 Correlation analysis of Lung function versus smoking pack years amongst subjects at coal mine site.	83
	Page No.

Table 13	Demographic and Lung Function observations in the subjects participating in our study at non coalmine site (Jorhat, Assam).	84
Table 14	Regression analysis of Lung function versus smoking pack years Amongst subjects at Non -coal mine site.	85
Table 15	Correlation analysis of Lung function versus smoking pack years amongst subjects at Non-coal mine site.	85
Table 16	Genotype and allele frequencies observed in the two groups. (COPD and Non-COPD) in Coal mine site.	90
Table 17	Genotype and allele frequencies observed in the two groups. (COPD and Non-COPD) in Non-Coal mine site.	91
Table 18	Odds Ratio was calculated between COPD and Non-COPD for different predictor variables viz.; site, smoking status, sex, age,GSTT1 and GSTM1 respectively.	94

LIST OF FIGURES:

	Page No.
Figure 1	Worldwide Prevalence of COPD. (GOLD, 2009). 26
Figure 2	Coal India Limited and Its subsidiaries 30
Figure 3	Schematic representation of Respirable Dust Sampler. 53
Figure 4	Sampling system of ambient air in Respirable Dust Sampler 58
Figure 5	Sampling system of SO ₂ and NO ₂ in glass impinger. 59
Figure 6 (a, b)	Study site at open-cast coal mine site, Assam 65
Figure 7	Survey at the study site open- cast coal mine, Ledo 66
Figure 8	Spirometry being done at open cast coal mine site, Ledo. 67
Figure 9	Blood sample collection during health survey at open-cast coal mine site, Ledo 68
Figure 10	Incidence of respiratory disorders observed at open-cast coalmine site, Ledo 76
Figure 11	Incidence of respiratory disorders observed at non- coalmine site, Jorhat. 76
Figure 12	Concentration of Air Components at the open cast coalmine site and Non-Coal mine site.Values are annual averages observed during the period 2009 and 2010. 77
Figure 13	Banding pattern of multiplex-PCR for GSTM1 & GSTT1 genes 88
Figure 14	Detection of A1AT gene by site directed mutagenesis PCR method 89
Figure 15	Detection of A1AT gene by site directed mutagenesis PCR method and restriction fragment length polymorphism. 89

Page No.

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Figure 16	Genotype frequencies amongst COPDs and Non-COPDs in the coal mine and non-coal mine area.	92
Figure:17	Representative electropherogram of COPD Non-Smoker (Non-Coal Mine Area).	117
Figure:18	Representative electropherogram of COPD Smoker (Non-Coal Mine Area).	118
Figure:19	Representative electropherogram of Non-COPD Non-Smoker (Non-Coal Mine Area)	118
Figure:20	Representative electropherogram of Non-COPD Smoker (Non-Coal Mine Area)	119
Figure:21	Representative electropherogram of COPD Non-Smoker (Coal Mine Area)	119
Figure:22	Representative electropherogram of COPD Smoker (Coal Mine Area)	120
Figure:23	Representative electropherogram of Non-COPD Non-Smoker (Coal Mine Area).	120
Figure:24	Representative electropherogram of Non-COPD Smoker (Coal Mine Area)	121