

## *List of Abbreviations*

|                 |                                          |              |                                                  |
|-----------------|------------------------------------------|--------------|--------------------------------------------------|
| AITD            | Autoimmune Thyroid Disease               | IF-SCH       | Infertile Female with Subclinical Hypothyroidism |
| ARMS            | Amplification refractory mutation system | LDL          | Low Density Lipoproteins                         |
| BMI             | Body Mass Index                          | MDA          | Melonal Dialdehyde                               |
| BSA             | Bovine Serum Albumin                     | NFHS         | National Family Health Survey                    |
| BW              | Body Weight                              | OHT          | Overt Hypothyroid                                |
| CAMP            | Cyclic Adenosine MonoPhosphate           | PCBs         | Polychlorinated Biphenyls                        |
| CAT             | Catalase                                 | PCR          | Polymerase Chain Reaction                        |
| CT              | Control subjects                         | <i>PDE8B</i> | PoshpoDiesterase 8B                              |
| CT-EU           | Control Euthyroid subjects               | <i>POPs</i>  | Persistent Organochlorine Pollutants             |
| CT-HYPT         | Control Hyperthyroid subjects            | RFLP         | Restriction Fragment Length Polymorphism         |
| CT-OHT          | Control Hypothyroid subjects             | SNPs         | Single Nucleotide Polymorphisms                  |
| CT-SCH          | Control Subclinical Hypothyroid subjects | RFLP         | Restriction Fragment Length Polymorphism         |
| EDCs            | Endocrine disrupting Chemicals           | SCH          | Subclinical Hypothyroidism                       |
| ET              | Euthyroid                                | SNPs         | Single Nucleotide Polymorphisms                  |
| fT <sub>3</sub> | Free triiodothyronine                    | SOD          | SuperOxide Dismutase                             |
| fT <sub>4</sub> | Free thyroxine                           | TC           | Total Cholesterol                                |
| HDL             | High Density Lipoproteins                | TDs          | Thyroid Disruptors                               |
| HPO axis        | Hypothalamic-Pituitary-Ovarian axis      | TG           | Triglyceride                                     |
| HYPT            | Hyperthyroid                             | TPO          | Thyro Peroxidase                                 |
| IF-EU           | Infertile Euthyroid subjects             | TRH          | Thyrotropin Releasing Hormone                    |
| IF-HYPT         | Infertile Hyperthyroid subjects          | TSH          | Thyroid Stimulating Hormone                      |
| IF-OHT          | Infertile overt Hypothyroid subjects     | WHO          | World Health Organization                        |