

REVIEW OF LITERATURE

For the purpose of this study the review of literature with regard to Global Warming and Its Impact on Climate of India: Socio Legal Study. Below are some of literatures pertaining to subject matter of the analysis-

1. **Shyam Divan And Armin Rosencranz(2001)-** This book also focused on environmental policy in India and the constitutional and legal provision regarding to environmental protection. In his book discussed about cases, articles and statutes and interpretation of current cases dealing with whole range of environmental issues. He has paid special attention to equity issues and to environmental problems of the urban and rural poor and International environmental law and global issues such as global warming, climate change, and Green House Gases effect is also discussed.
2. **Mark Maslin (2004)** has explained global warming and it's most critical and controversial issues facing the world 21st century. He has explained some topics and its correlation with environment, global warming and its impact on climate change and explaining proposed solutions he has also includes a chapter on local solution and give important steps that state as well as individual should go together hand in hand then and then they can achieve goal.
3. **P.Leelakrishnan (2005)** - The ethos of judicial facet to environment has changed inconsonance with mounting national awareness and with the global perspective of environment. This revised edition highlights this phenomenon and examines the growing law and environmental jurisprudence in the country right to clean environment is a fundamental right. The duty of state and citizen to protect and improve the environment. In addition to issue of pollution court began to look at eco problem in wide canvas and strived for eco security imbibing the various facets and meaning of environment. The revised edition specially focused on environmental regime-law of public nuisance, conservation of forest, other resources constitutional mandates for environmental protection, judicial review of decision affecting environment. It contains qualitative analysis

of environmental law in India international conventions, recent case laws are given properly.

4. **Alexander Gillespie (2006)** - this book contains III parts with 22 chapters. In a part I include science and analysis: climate change, ozone depletion, global warming, green house gases increase CO₂, air pollution causes environmental pollution. Part II contains law: restrictions in pollutants, national and international legislation conventions for protection of environment. Part III indicates options: limits of efficiencies and change with technological options. In this book also includes necessary material collected to understand the legal debates on climate change and it include guidance to those actively involved or interested in the negotiation to come to better regimes for climate change, ozone depletion and air pollution
5. **H.V.Jadhav, Dr.H.S Purohit (2007)** - has explained the environmental pollution has assumed global dimensions. Economic developments and rapid industrialization has brought changes in climatic conditions, global warming depletion of resources. .Global warming to spread this awareness. Now a day's major issue of the world is global warming because of the Green House Gases (CHG) effect, climate change & tsunamis. These environmental issues related to be controlled & monitored. The law of environmental protection required to be strictly implemented & to create a health surrounding. In this book 32 chapters are given very simple & self explanation. Special care is taken to provide bare Acts, salient features of the Acts & explanation on cases whenever required.
6. **A. Usha (2007)** - in this book climate change of the is one of the most serious threats faced by the world today. Climate change is one of the greatest environmental, social, economical threats facing the planet. Human activities that contribute to climate change include burning fossil fuels, agriculture and land use changes like deforestation. Kyoto protocol to United Nation framework convention on climate change (UNFCCC) is only first step to address the serious global threat of climate change. This book given an idea about environment, its pollution and subsequent climate change. It also gives clear understanding about the subject policies adopted by the states for the prevention of climate change and for protection of environment. It explicates for protection of environment. It

focused on principle of sustainable development prevention of environmental degradation on and climate change.

7. **Rajitha Tandikonda (2008)** - this book contains 9 chapters. Each chapter contains global warming and its impact on earth. global warming is a term used to describe the increase over time in the earth's average temperature as a result of Green House Gases (GHG), CO₂, Methane. This causes global average temperature rise in day to day. Kyoto protocol is an international agreement linked to UN framework on climate change. In the article "The Political Economy of Global Warming & its changing strategic role" author Dipankar Dey explains that global warming is accepted as major threat to world economy. Prosanta Ghosh in his article, "global warming & information technology" opines that information technology & network can play a vital role along the same of other direct means for solving the global warming threat. He suggested that we can reduce domestic power consumption by remotely controlling the household electrical equipment switch them off when not in use. Most of the things can be carried out from anywhere & anytime just by connecting these wireless data network. This is going to reduce the green house gas emitted from cars to a great extent.
8. **Michael Jffery (2009)** - have discussed the environmental degradation and its impact such as climate change. They have dealt with precautionary principle and polluter pays principle in detail.
9. **Mark Stallworthy (2009)**- in this article principle of inter-generational equity and joint environmental justice discourse with necessary responses to the climate change. she argue that environmental justice toward incorporate values into law policy process based on significant perspective of integrity and functioning of societies and participation in the search for numerous issues such as climate related threats global warming. So there is need to protection of environment.
10. **P.B.Sahasranman (2009)**- this book contains III parts with 19 chapters. This book explained the co-relation with environment and constitutional provisions. In part I chapter the development of environmental jurisprudence. The basic environmental protection laws constitutional provisions with judicial enactments are given properly. Part II deals with kinds of pollution related laws and policy. Part III contains challenge of climate change. In this book chapter 16 : The challenges of climate change. Here CO₂, Green House Gases (GHG) effects are

recent issues because increasing heat in the environment and its affected on living as well as non living creatures. Deforestation, burning fossil fuel result increase in average temperature of atmosphere. The International Panel on Climate Change (IPCC) established jointly in 1988 by WMO and UNEP. Most of the scientists do agree that global warming is occurring climate change. The specialty and this book is simplicity in language and deep conceptualizing about global warming and climate change.

- 11. S.M.K Naqvi and V.Sejian- (2010)** in there article stated that climate change is threat to the survival of many species, ecosystem and sustainability of livestock production system of world. Green House Gases (CHG), CH₄ (Methane) considered to be the largest potential contributor to global warming.
- 12. S.Shanthakumar (2010)-** stated that this edition contains 10 parts. Each part contains environmental problems, policies, pollution preservation laws, environmental problems & international environmental law. Environmental law has succeeded in unshackling man's right .i.e. right to life & personal liberty from clutches of common law theory of individual ownership he has the examining the matter from constitutional point of view, enjoyment of life & guaranteed under Article 21 of the constitution. The Indian constitution has prescribed a fundamental duty of every children " to protect & improve natural environment." In this book these aspect on environment such socio- economic dimensions of the environment problems affecting on environment, some issues like global warming, climate change, Green House Gas effects so there is need to protect natural environment. Various constitutional provisions & legislative Act enacted by parliament for protection of environment. Judicial dimension also mentioned properly.
- 13. T.S.N Sastry (2012)** has stated that ancient up to modern era the environment plays vital role in realization of natural as well as human rights. The importance of environment realized to people four decade back through the Stockholm conference in year 1972. Afterwards various international and national legal enactments enacted for the protection of environment. This paper considering the increasing bond development between the jurisprudential perspective with human rights and environment. There is responsibility of the individual to protect the environment throughout the country. The rapid technological developments are increasing day to day issues created relating to environment

such as global warming and climate change. Here are various remedial mechanism are suggested.

14. Dr. Sukanta K. Nanda (2013)- in this book it is an admitted fact that the world is an the terrifying crossroads of global environmental threat. In the last few years we witnessed drastic changes in the environment and the effect of such changes human activities are concern. Climate change loss of biodiversity, protection of natural resources etc. dominated academic discourses throughout the world. The judiciary has also played vital role in giving a new dimensions to exiting environmental jurisprudence by certain outstanding judgments. The world facing new problems and challenges relating to environmental issues. Legislative enactments, judicial interpretations and constitutional philosophy moulded the development of each chapter of the book.

15. Jorg Friedrich (2013)- in this book there are 7 chapters. He has explained with the clarity and how industrial civilization is implied by climate change. This book well laid out, well written and described the concepts in simple word. He has focused on 2 concept i.e. energy scarcity and climate change. The chapter 3 contains what the climate can change. In this chapter contain issues relating to global warming. In 21st century increasing growth and economy through the industrialization, modernization there are creates numerous issues such as NO₂, global warming, Green House Gases (CHG) effects, global warming, climate change cause of their increasing earth's temperature and it is affected on the human activities, living creatures. So there is need to control over it.

16. Prabha Kumar Rai Kumar Rai(2013)-in this article they have highlighted that impact of climate change is major problem on productive capacity of soils and in pattern on human settlement. It is linked to human health directly or indirectly. They have explained how climate related environmental change may influence on human societies. So there is need to control over it through the green India.

17. Mabobane C.Sebopela,Kola.O.Odeku (2014)- in this article researcher have analyses the modest Comparison of regulatory interventions on climate change in India. South Africa, India both developing countries they have responsibility, that located in countries with or without obligations to reduce emissions to tackle global warming and climate change.

18. Dr.P.S,Jaswal,Dr.Nishtha Jaswal (2014)- This book has 13 chapters. It covers various aspects of environmental protection and the law. It traces the genesis

problem of environmental pollution such as global warming, climate change, Green House Gases (CHG) effect and deals with various common law remedies and statutory remedies to protect the environment. In this book various constitutional and statutory provision are discussed for protection of environment. Various environmental related enactments are given properly. The present edition has incorporated all latest decisions at appropriate places in different chapters. The environmental destruction and pollution has seriously threatened the human life, health as well as livelihood. Now global warming, climate change, Green House Gases (CHG) effects are important issues making environmental pollution so there is need to tackle these problems and protect the environment. At the end of book various appendices relating to important international convention and environment related statutes have been mentioned.

- 19. G. Kumar (2014)** - has focused on Global warming is the increase of Earth's average surface temperature due because of greenhouse gas effect, carbon dioxide emissions from burning fossil fuels or from deforestation, which trap heat that would otherwise escape from Earth. Increasing industrialization from the 17th century humans began emitting more fossil fuels from coal, oil, and gas to run our cars, trucks, and factories. U.S. emits approximately 6 billion tons of carbon dioxide every year. 40% of that comes from power plant emissions alone. Since 1870, global sea levels have risen by about 8 inches. Consequences of global warming include drought, hurricanes, massive fires and melting of the polar caps. Over all global temperature in has increased by 2 degrees in the last 50 years and precipitation by 5%. Global warming also puts coral reefs in danger. In this paper, an attempt has been made to discuss this significant issue with special reference to Indian scenario.
- 20. Jalpa Rohit Pate (2014)**- In this paper researcher is going to discuss about goal of effectiveness of the world and its solution. This environmental education within the school system including primary to higher-secondary. There is need to take efforts to educate the public and other audience for example-Websites, print materials, media campaigns as well as outdoor education and experiential education.
- 21. Dr. Mariamma.A.K (2014)**- in this research paper he said that environment is omnipresent so there is need to protection of environment because of global warming and climate change. Environmental law is an instrument to protect and

improve the environment and prevent the environmental pollution so Indian judiciary is playing very important role for protection of environment. Global warming and climate change is a major problem of today's world.

22. Dr.R.Sayon (2014)- has explained global warming and climate change is today's threatening issue of the world. Its result in frequent forest fire and crop failures its harmful impact on human activities, health. Climate change occur natural phenomena such as earth rotation, earth quakes and human factors (Green House Gases).he concluded that though there are legislations but there are hurdles in implementing them. So there is need to people, legislators and everyone should wake up to issue and with positive motivation with purpose things might take a turn for greener India.

23. Vikram V.Irale (2014)- he has explained fundamental rights of Indian constitution that Article 21 is Right to clean and pollution free environment is environment as fundamental right. Now a day's global warming is very serious issue in the world in recent era. Global warming and climate change is increasing average global temperature in India there are various laws and legal provisions enacted for protection of environment.

24. Marcello Di Paola, Gianfranco Pellegrino (2014)- this book is divided into IV parts with 14 in this book there is interrelation of ethics and political thoughts has been recognised the down of political reflection over last 60 years- since the United Nations-Universal Declaration on Human Rights- we are witnessed of a particularly turbulent process of globalising the coverage and application of interrelation. This book series ethics: Rights and global political thought, addresses these vital questions by bringing together outstanding monographs that deals with intersection of normative & political theory, international relations & human rights- this volume contains climate change through politics, law, ethics, philosophy, religion, art & culture. It highlights issues such as climate change, food justice. It has 4 parts. Part I contains offer an astute diagnosis of the political & moral intricacies of climate change. Part II deals with political theory of climate change governance. Part III contains the moral theory of climate change and part IV analyses specific ramification of climate problem.

25. S.K.Kapoor (2014) "In this book chapter 27-Global Warming depletion of ozone layer etc. And Copenhagen summit conference on climate change (Dec.2009). here explained according to scientists, earth is warming due to use

of nuclear weapon depletion of ozone layer. The main reason for warming earth increasing CO₂, Green House Gases effects, industrial revolutions, NO₂, Methane, Chlorofluro carbon (CFCs) causing increase temperature of earth. Kyoto protocol on global warming (1997) is a great land mark for prevention of global warming. The Copenhagen conference aimed to reduce global warming by two degrees but no target was fixed for reducing global emissions for the year 2020 or 2050. This was the greatest failure. Rajendra Pachauri, the chairman of IPCC said that the increase in global warming and in future the situation was likely to become dangerous and grave. Planet of the earth is to be saved from global warming and climate change the nation of world will have to take hard decision.

- 26. Ankita Sandhya And Widhi Dubey (2014)-** in Impact of global climate change on food security in India in that article she stated that climate change and agriculture are interrelated processes, climate change is affecting crop growth period global warming is major issue.
- 27. Dr. Chintamani Rout (2014)-** has suggested that today environment protection and improvement of human environment is major problem on living and non living creatures. There is a need to tackle problem of environment. In UN Conference the government of India participated in the Stockholm Conference strongly voice the environmental concerns. In the whole world global warming is a serious problem cause of climate change. It affects environmental degradation. There is need to protection of environment.
- 28. Dr.P.S.Kamble (2015)-** he focused on the today's important environmental problem over the world as well as in India in particularly climate change is connected with global warming. It is affecting environment such as atmosphere land, water, plants, animal, living and non living creatures. Its impacts on productive activities and in economic sector around the world as whole. It is adverse impact on agriculture in India so there is a need to tackle with the joint efforts of the government policy and active participation of the people and the society as a whole.
- 29. Jitendra Kumar Sah & Asha Anil Bellad (2015)-** in this article study deals with the problem of global warming, increasing temperature of earth in 21st century he has find out awareness and knowledge among the school students i.e.

plant tree for combating global warming. Climate change direct impact on health such as various diseases.

- 30. Dr. Mariamma.A.K (2015)**-in this article she focused on that there is environmental issues has captured more global attention than global warming and climate change. Our India has initiated national action plan on climate change by establishing eight national missions. Climate change has the potential to influence earth's biological system its effects on human health. The most of the countries had legislations pertaining to it yet much is desired to be done, hence adequate climate finance with broad and practice-oriented-perspective by streamlining the Kyoto compliance system is highly required to combat climatic change and its consequences
- 31. Poonan Kataria (2015)** - in her article has stated that now a day development of the industries are increase throughout the world is the issue of the ecological imbalances. It is between the natural factor and human activities are socio ecological crisis. i.e. balance between environment and society is broken. There is need to protect the environment. One of the important issue i.e. global warming and climate change and its harmful impact on the crops and human beings and living creatures. So there is need to create awareness of protection of environment.
- 32. D.D.Basu (2015)** - in this book has explained principles of constitutional law on comparative and global level with human right. Human rights are fundamental rights which are available in part III of the constitution of India. Right to clean and pollution free environment is fundamental right under Article 21 of the constitution of India. In this book one chapter – Fundamental Rights & Fundamental Duties; he explained that Article 21 that is Right to Life and personal liberty. Here adopting a liberal interpretation the Supreme Court has read several rights in Article 21 to make life more meaningful and worth living. They may enumerate as under: right to decent environment right to pollution free environment is also a fundamental right of every person. So it is significant one but now a day's earth's temperature increase because of global warming so there is need to control over it then people get clean environment.
- 33. Pravesh Kumar And Seema Sharma (2015)**- in his article climate change and role of biotechnology he stated that global warming and climate change is one of the most important environmental challenge in today's world. Impact of

climate change on living and non living creatures and great influence on agriculture, water sector, green biotechnology is key to agriculture to adapt to warming climate.

- 34. Sanjay Prasad (2015)-** in this article he analyses that natural disaster to global warming. Can cause tremendous damage to people's health, safety. CO₂ increase day to day climate, Green House Gases (GHG), NO₂, increasing modern industrialization are the responsible factors for global warming and climate change.
- 35. M.Venkataraman & Smitha (2015)-** in this article causes and effect of global warming have explain that global warming is increasing the temperature of earth. Industrialization, deforestation, increasing CO₂, Green House Gases (GHG) such numerous issues for increasing global warming and climate change is increase number of death, disease injury from flood, storms, droughts.
- 36. Mizan R.Khan (2015)-**This article focused on polluter pays principle: the cardinal instrument for addressing climate change and polluter pays principle is an social, economic, ethical and also legal instrument. This article raise one of the important question that under a free markets global system: why should polluters not take responsibility of their actions so that the global society does not suffer? The organization of economic cooperation and developed countries apply this polluter pays principle in many of its forms. The human activities are the responsible for the environmental pollution such as global warming, climate change. So the polluter should pay the social and environmental coasts of their pollution reflect the most fundamental principle of justice and responsibility.
- 37. J.N. Panday (2015),** in this book chapter right to clean environment is a fundamental is a fundamental right under Article 21 of the Indian constitution. Everyone has right to pollution free water and air. In M.C.Mehta's case mentioned, relating to protection of environment . in a landmark judgement in intellectual forum ,Tirupati vs. State of Madya Pradesh supreme court held that under Article 21 and Article 51A it is the constitutional obligation of governments to protect and preserve the environment due to hazardous and toxic substance environment get polluted. So there is need to protect environment.
- 38. Rajesh Kumari (2016)-** global warming and emerging threat in this article has explained global warming rising temperature of earth's atmosphere due to climate change. Green House Gases (CHG) is in the atmosphere increasing

temperature of earth. It will affect on living creatures and also non living creatures.