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Science as a Human Endeavor Task

**Introduction**

Human beings have been blessed with a curious nature and they have been searching for an explanation of the various phenomenon going on around them since the beginning of times (French). The various kinds of processes going on around the world have always intrigued the man to dwell into it and find the reason for the process (Bowler). For example, the rising of the sun and moon, the growing of trees and plants, the changing of weathers and even the matters of life and death; all these things have deeply urged and motivated the humans in every age to search for the reasons behind them. This curious human nature has also benefitted him by providing the solution to many problems and issues that have arisen in his life. A very small and common example of this is the invention of fire and the wheel.

 This quest or thirst of human beings for knowledge or exploration of a different kind of phenomenon is known as Science. Science provides knowledge regarding even the basic concepts of life to the huge phenomenon like big bang theory and provides explanations to many questions that were once unexplainable. All these facts are provided not in thin air but on the basis of clear observation and repetitive experimentation (Bradt). Science facilitates human beings in a number of ways, it helps us cook food, wash dishes, clean our homes and drive our vehicles (Stilgoe). As a matter of fact, it would not be wrong if it is said that science controls each and every matter of our life now. And this impact is not limited to our personal lives; Science not only benefits and improves the quality of a person’s life on an individual or personal level but it improves the level of satisfaction on a whole level as a society (Russell).

**Discussion**

Scientists have made numerous contributions to making this world a better and peaceful place to live. It has made social developments all over the world and has allowed humans to be a much better person all socially and personally (Tonnies). Science is important in the respect that it satisfies many of the basic human needs and improves the living standards of the people living in a society. The various advancements in science and technology have made communications less complicated and much faster. In addition to this, the various modes of travelling and transportation have shortened the distances and made it much easier to travel across the seas and oceans (Coyne).

 And the subjects of science is not alone; with the advancements in the knowledge and information area, the field of science has also expanded to amazing areas. All thanks to the ever-changing and advancing research techniques, the subject of science has expanded to unbelievable stretches (Eddy). The subject of science is not only limited to a single subject but has been divided into a number of branches currently. These branches

The most interesting aspect about these branches of science is that although all these disciples are unique in their nature and perform their functions in their respective fields, all of them are strongly interlinked with each other. These disciplines are not only strongly linked and interconnected with each other bus sometimes dependent on each other. In some cases, this dependence increases to the extent that without the completion of the research in one filed, the research or study in the other discipline cannot be initiated (Campbell). The example of such dependence can be seen in the race of medical sciences, where the providence of adequate health care facilities and medication are heavily dependent upon the advancements in chemistry.

One of the important fields of science is Biology. In simple words, Biology is the study of life. This branch of science deals with the various aspects of life, from origination till the end, it studies all the stages of the life of a living being (Stehr). In addition to this, The field of Biology is not only limited to the study of the life of humans or the various stages of life of humans, in fact it includes the study of all forms of life that have been present on the face of the earth, from the very beginning of the time till present.

Moving a step further, the subject of Biology is not only limited to the exploration of the myths of various stages of life but also making life and its processes better. This has been made possible with the collaboration with other disciplines of science. In this specific context, the field of Biology has successfully collaborated with modern methods to technology to provide a better level of life quality to living beings (Blok). Biologists have been successfully conducting experiments with the technologists in order to get the desired results and provide an improved quality of life to human beings. This ultimately results in a better and tension-free society, where the people live in peace and harmony with each other.

Where science has made various processes easy it has also facilitated in curing various kinds of diseases, especially some of the deadly diseases. One of the most dangerous and deadly diseases that has found its cure in the arms of science and its advancements is cancer. Cancer is a deadly disease, in fact, a group of diseases, that destroys the already growing or the multiplying cells in the body. It is a kind of tumour that initiates at one place and starts growing from there and ultimately spreads all over the body (WHO). It is opposite to the benign tumours that initiate at one place in the body and stay there, they do not grow or spread and are usually less harmful (Seigel).

Cancer is such a deadly disease that it is the third highest killer in the world after diabetes and the brain haemorrhage (Miller). The annual death rate only in the United States of America due to various forms of cancer is 250000 individuals per annum (Miller). The most harmful types of cancer that cause the most diseases in the world is pancreatic cancer and liver cancer. Scientists experts and oncologists have been looking for a cure to this deadly killer for ages and have been successful in many cases but still, a lot needs to be done (van de Wetering). The ratio of beating the disease is not 100% yet. Various forms of the treatment of Cancer have been devised till now which include chemotherapy, radiotherapy, gene mutation and bone marrow transplant. Another very popular technique of the treatment of cancer is the cell process commonly known as apoptosis (Arends). The scientists are still working to achieve 10% success ratio in the treatment of the deadly disease. However, these treatment strategies have emerged as a blessing for the patients of cancer themselves and their family and friends (Coleman). The patients have cancer have found relief in this advancement of science as it provides a chance to completely cure the disease or at least elongate the life of the victim. It provides a chance to the victim of the disease to spend maximum time with their friends and family.

As it has been established that sadly the success ratio of the treatment of cancer is not 100% and still there is research going on in this respect that how to cure the disease 100% or eradicate this deadly killer completely from the face of the earth, the experts especially the oncologists studying in the field of cancer have become successfully to at least lessen the painful effects of the disease. Hence the patient has to experience less pain while still fighting with the disease. This has helped society in a considerable manner that there is still hope (DeSantis). The people especially the people fighting with the deadly disease and the relatives and friends of the victims can look forward towards science and technology that one day the scientific techniques will beat the disease and their friend or relative will be cured completely.

There are various organizations that are working for this purpose as well. Some of these organizations are profit and some are non-profit. Even the Australian Institute for the Research of Cancer and Oncology is contributing a great deal towards the successful research of cancer. It is giving serious hopes to the patients and people in general and a very positive step towards the research of Cancer.

**Conclusion**

Hence, it can be concluded that science has descended in the life of the human race as a true blessing. It has made human life much easier and facilitated people in unlimited ways. Science has made lives heaven for humans not only at a personal level but also on a larger scale, specifically on a social level. Where it has provided answers to many questions and resolved many queries, it has also found a cure to many deadly diseases like cancer. It provides a chance to the victim to recover completely or at least delays the possibilities of death to the minimum level.

Works Cited

Arends, J., Bachmann, P., Baracos, V., Barthelemy, N., Bertz, H., Bozzetti, F., ... & Krznaric, Z. (2017). ESPEN guidelines on nutrition in cancer patients. *Clinical Nutrition*, *36*(1), 11-48.

Blok, Anton. *Radical Innovators: The Blessings of Adversity in Science and Art, 1500-2000*. John Wiley & Sons, 2017.

Bowler, Peter J. *The Mendelian revolution: The emergence of hereditarian concepts in modern science and society*. Bloomsbury Publishing, 2015.

Bradt, Joke, et al. "Music interventions for improving psychological and physical outcomes in cancer patients." *Cochrane Database of Systematic Reviews* 8 (2016).

Campbell, Tom. *Adam Smith's science of morals*. Routledge, 2014.

Coleman, R., et al. "Bone health in cancer patients: ESMO Clinical Practice Guidelines." *Annals of Oncology* 25.suppl\_3 (2014): iii124-iii137.

Coyne, Jerry A. *Faith versus fact: Why science and religion are incompatible*. Penguin, 2016.

DeSantis, Carol E., et al. "Cancer treatment and survivorship statistics, 2014." *CA: a cancer journal for clinicians* 64.4 (2014): 252-271.

Eddy, Mary Baker. *Science and Health with Key to the Scriptures*. BoD–Books on Demand, 2018.

French, Richard D. *Antivivisection and medical science in Victorian society*. Vol. 5492. Princeton University Press, 2019.

Miller, A. B., et al. "Reporting results of cancer treatment." *cancer* 47.1 (1981): 207-214.

Miller, Kimberly D., et al. "Cancer treatment and survivorship statistics, 2016." *CA: a cancer journal for clinicians* 66.4 (2016): 271-289.

Russell, Bertrand. *The impact of science on society*. Routledge, 2016.

Siegel, Rebecca, et al. "Cancer treatment and survivorship statistics, 2012." *CA: a cancer journal for clinicians* 62.4 (2012): 220-241.

Stehr, Nico. *Knowledge politics: Governing the consequences of science and technology*. Routledge, 2015.

Stehr, Nico. *The governance of knowledge*. Routledge, 2017

Stilgoe, Jack, Simon J. Lock, and James Wilsdon. "Why should we promote public engagement with science?." *Public understanding of science* 23.1 (2014): 4-15.

Tonnies, Ferdinand, and Charles P. Loomis. *Community and society*. Routledge, 2017.

van de Wetering, Marc, et al. "Prospective derivation of a living organoid biobank of colorectal cancer patients." *Cell*161.4 (2015): 933-945.

World Health Organization. (1979). WHO handbook for reporting results of cancer treatment.