

Awareness of Biotechnology and Its Starring Role in Covid-19

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ABSTRACT

This research focus on to know, how many people mindful about biotechnology and to know, how many persons know the role of biotechnology in COVID-19. To know the awareness of biotechnology and its contributions in different disease specially COVID-19, A questionnaire has been formed via google forms consisting of 8 different questions with only two option whether YES or NO, Then this questionnaire is circulated via two big platforms Facebook and G-Mail to get the response. This opinion poll sent to 1632 and got only 603 comebacks. Hence the response rate of this survey is 37%. Analysis has been done by using percentage analysis and different charts. It was concluded that mainstream of the individuals aware about biotechnology and they also know the role of biotechnology in the diagnosis, treatment of diseases. Bulk of individuals also aware about the role of biotechnology in COVID-19. But there are 41% population who did not realize the scope of biotechnology, there is a need to aware about the scope of biotechnology in Pakistan via E-Seminar, Online Courses etc. Majority of the population also consider that biotechnology is the future of the world and the progress of the world or a country will be based on science in the coming years.

Keywords: Awareness, Biotechnology, Role, Covid-19.

Introduction

We will never forget the year 2020 just because of a single virus known as Corona Virus Disease 2019(COVID-19) [1]. Though this virus has lower mortality rate but due to exponential increase in cases of COVID-19, this virus become a lethal virus and attack about 4 Million people around the globe and still it continues to infect folks [2]. This virus shutdown the entire world just because of its transmission, it can easily transmit from person to person from air or other surfaces, more research is going on to know more about this virus [3]. This research has been conducting to know the role of biotechnology (from diagnosis to treatment) in COVID-19 [4]. To know how much people, know about biotechnology. During this challenging time, we all look towards scientist to make vaccine as soon as possible to protect from this deadly virus known as corona virus [5]. Today, people talk about biotechnology, virology even in underdeveloped countries just to get rid of this deadly virus [6]. So, this research carried out to know the awareness of people about biotechnology in this tough time [7]. And most of the scientist said that the biotechnology will soon become the future of world [8-10].

Objectives

This research focuses on:

- To know, how many people mindful about biotechnology.
- To know, how many folks know the role of biotechnology in COVID-19.

Methodology

To know the awareness of biotechnology and its contributions in different disease especially COVID-19, A questionnaire has been formed via google forms consisting of 8 different questions with only two option whether YES or NO, Then this questionnaire is circulated via two big platforms Facebook and G-Mail to

get the response. This opinion poll sent to 1632 and got only 603 comebacks. Hence the response rate of this survey is 37%.

Statistical Analysis

Analysis has been done by using percentage analysis and different charts

Result and Discussion

The outcome of this survey is listed in the following charts.

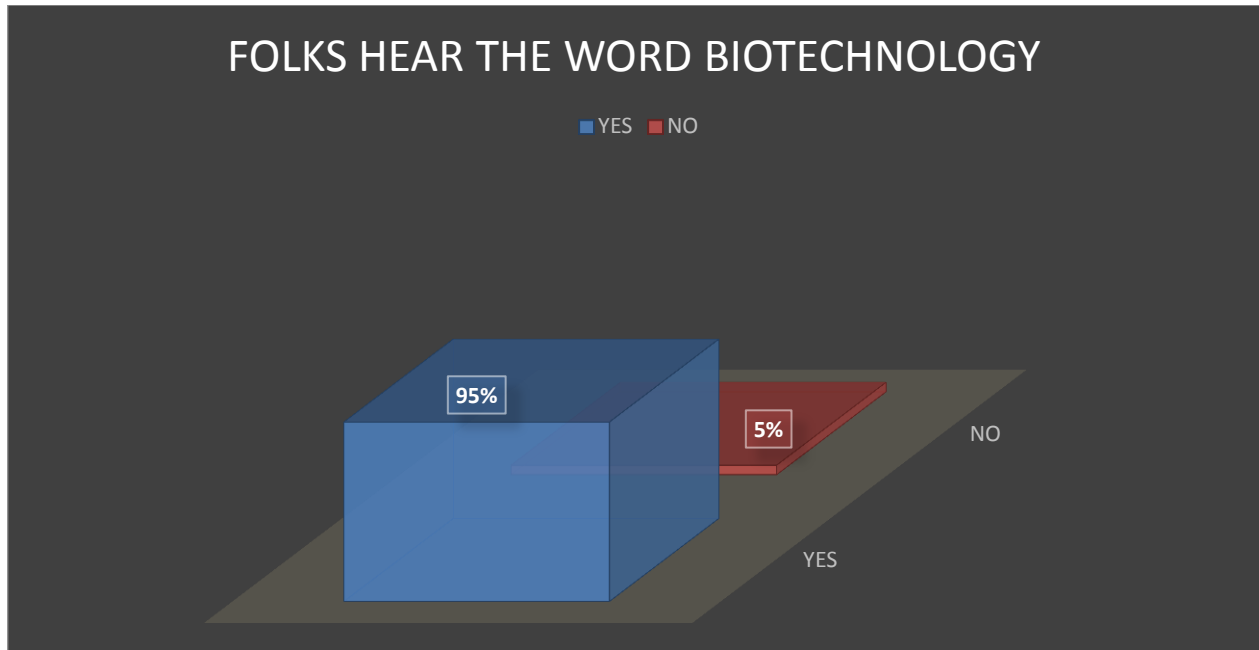


Fig.1. Folks Hear the Word Biotechnology

This figure clear that 95% individuals hear the word biotechnology and there are only 5% who did not even hear that word.

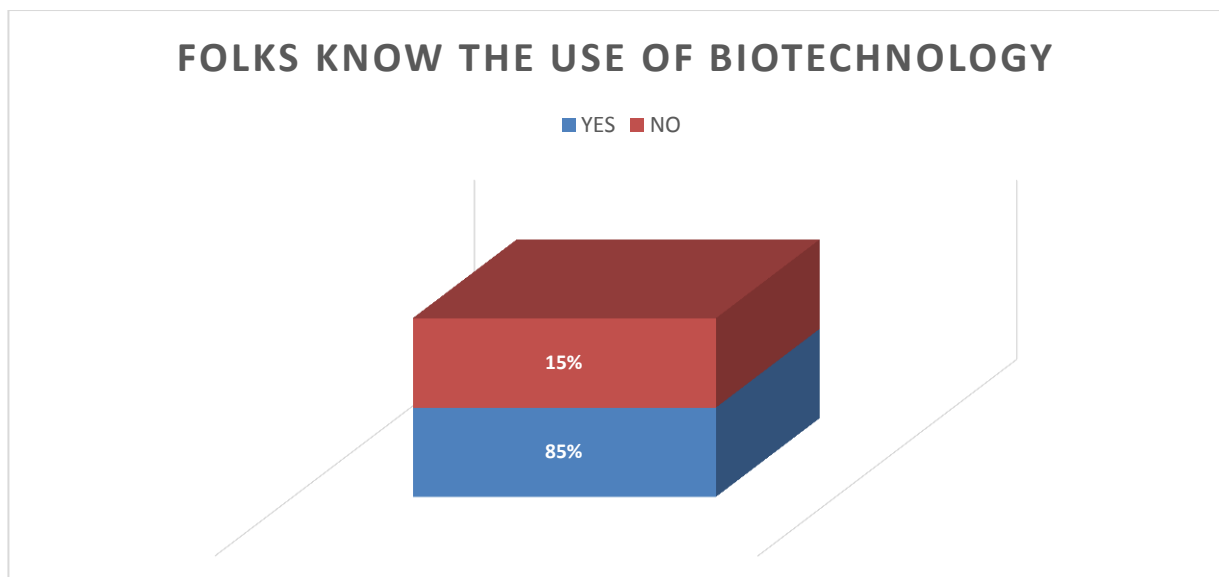


Fig.2. Folks Know the Use of Biotechnology

This chart shows that 85% folks know about the uses, advantages as well as examples of biotechnology and the remaining 15% did not aware about these things.



Fig.3. Knowledge about GMO

This graph displays that 92% persons aware about Genetically Modified Organisms (GMOs) but 8% did not know about GMOs.

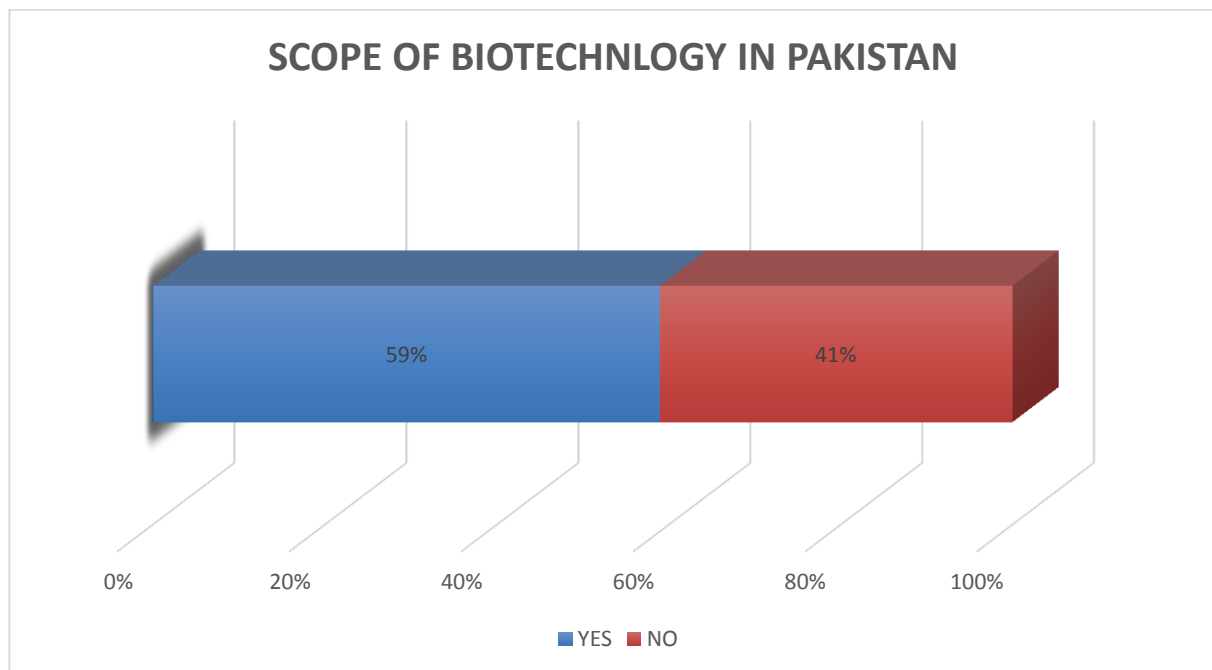


Fig.4. Scope of Biotechnology in Pakistan

This chart clears the fact that 59% individuals aware about the scope of biotechnology in Pakistan but 41% did not know yet.

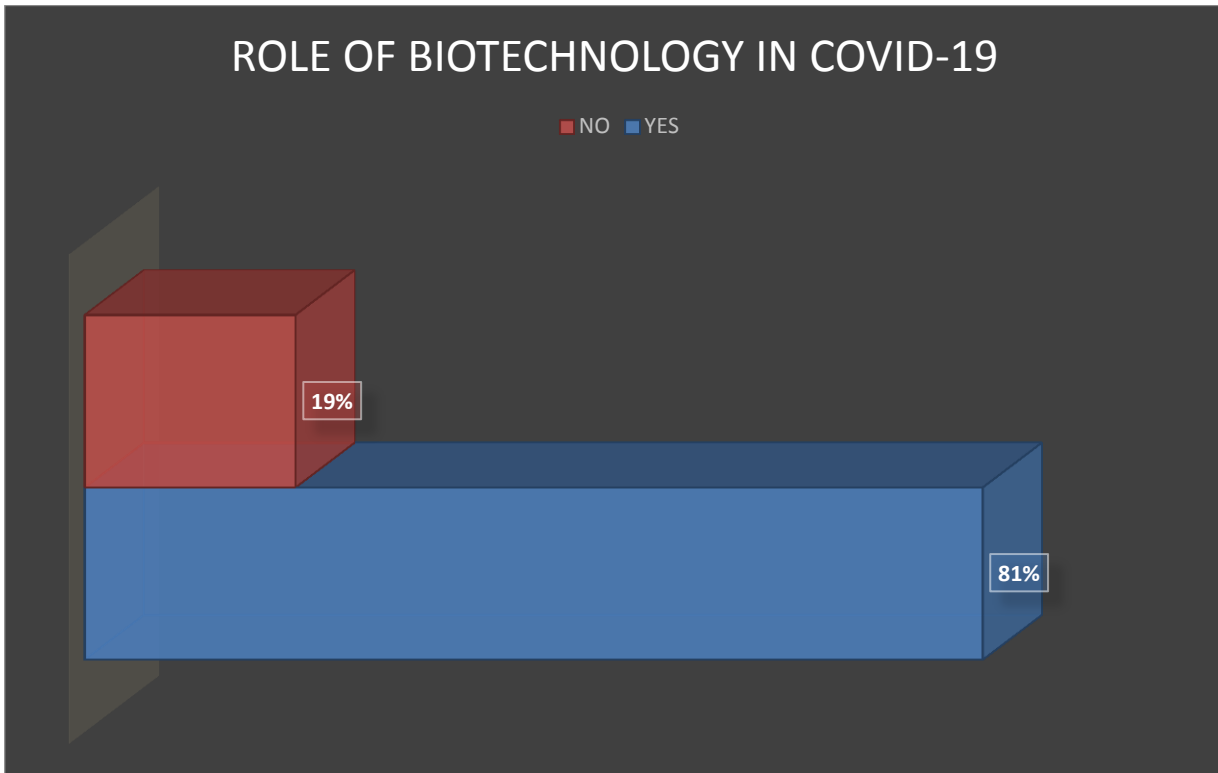


Fig.5. Role of Biotechnology in Covid-19

This figure display that 81% persons know the role of biotechnology in Corona Virus Disease 2019 (COVID-19) and 19% did not know the role of biotechnology in COVID-19.

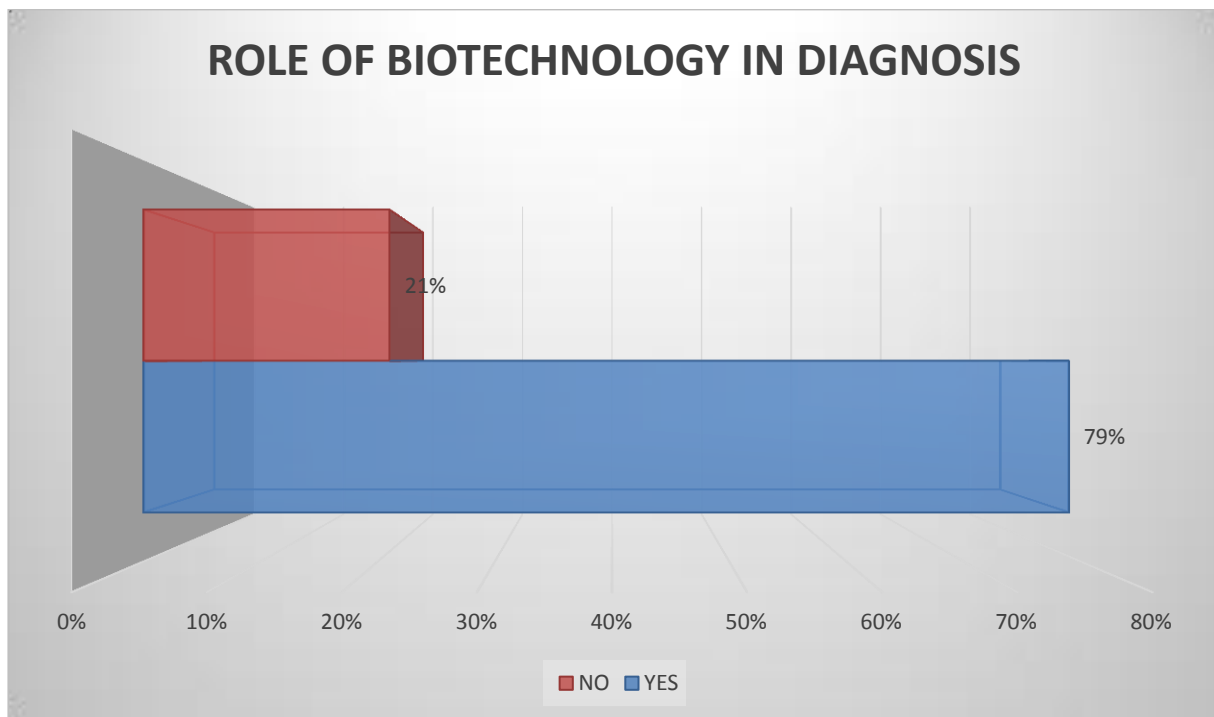


Fig.6. Role of Biotechnology in Diagnosis

This chart shows that 79% folks aware about the role of biotechnology in the diagnosis of diverse types of diseases and remaining individuals did not aware about its role in diagnosis.

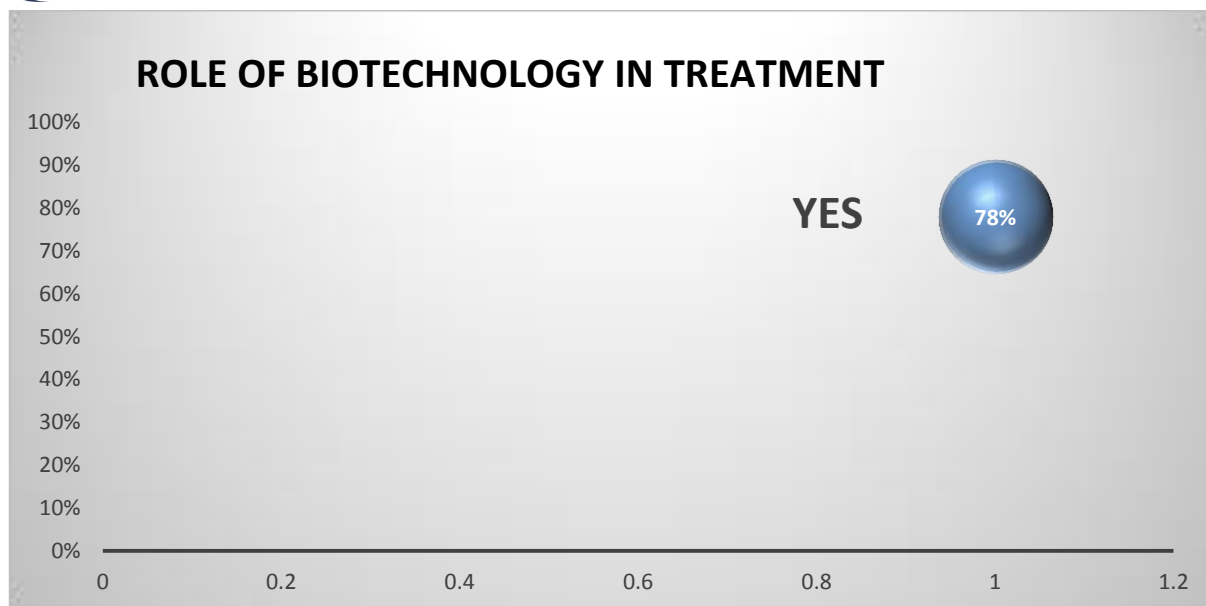


Fig.7. Role of Biotechnology in Treatment

This graph shows that 78% individuals know about the role of biotechnology in the preparation of vaccine or treatment of different disease by 22% folks did not aware about it yet.

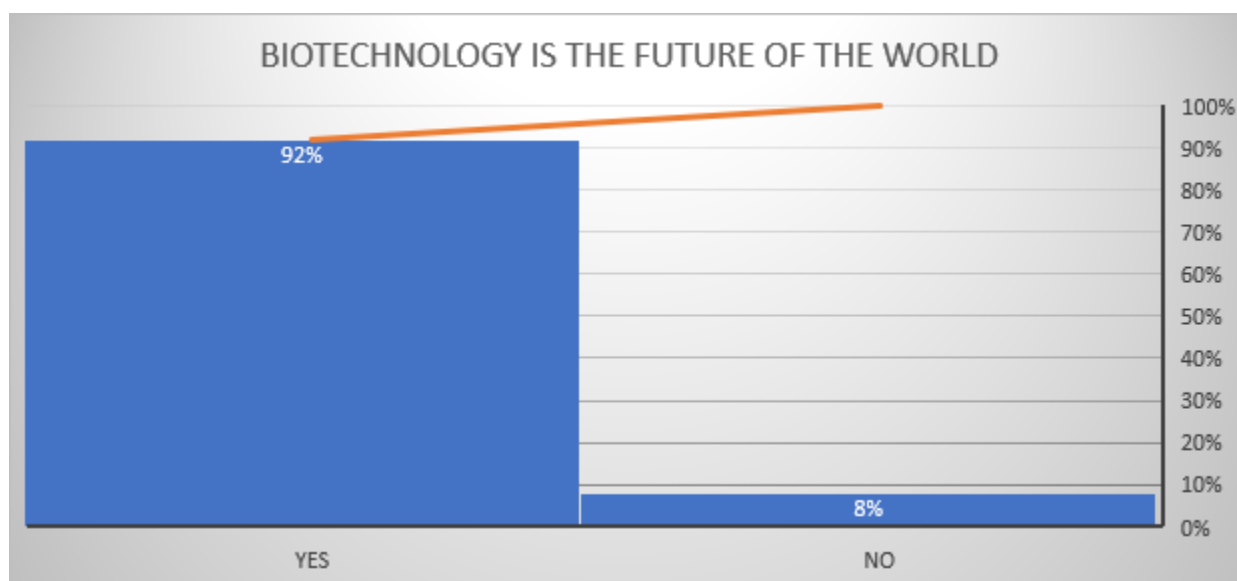


Fig.8. Biotechnology is the Future of the World

This chart explain that 92% individuals thinks that biotechnology is the future of world but still there are 8% folks who did not know about biotechnology worth.

Conclusion

It was concluded that mainstream of the individuals aware about biotechnology and they also know the role of biotechnology in the diagnosis, treatment of diseases. Bulk of individuals also aware about the role of biotechnology in COVID-19. But there are 41% population who did not realize the scope of biotechnology, there is a need to aware about the scope of biotechnology in Pakistan via E-Seminar, Online Courses etc.

Majority of the population also consider that biotechnology is the future of the world and the progress of the world or a country will be based on science in the coming years.

References

1. Fritz, S., Husmann, D., Wingenbach, G. J., Rutherford, T. A., Egger, V., & Wadhwa, P. (2003). Awareness and acceptance of biotechnology issues among youth, undergraduates, and adults.
2. Bauer, M. W., Bauer, M. W., Gaskell, G., & Durant, J. (Eds.). (2002). *Biotechnology-the making of a global controversy*. Cambridge University Press.
3. Shanahan, J., Scheufele, D., & Lee, E. (2001). Trends: Attitudes about agricultural biotechnology and genetically modified organisms. *The Public Opinion Quarterly*, 65(2), 267-281.
4. Kashif, M., & Aziz-Ur-Rehman, M. K. J. (2020). Demystify the Covid-19 Effect on Restaurant. *International Journal of Medical Science in Clinical Research and Review*, 3(03,), 281-289.
5. Javed, M. K., Bukht, N., & Javaid, S. (2020). COVID-19 EFFECT ON POOR. *International Journal of Medical Science in Clinical Research and Review*, 3(03,), 263-268.
6. Javed, M. K., & Javaid, S. J. D. A. (2020). Corona Virus Awareness in Pakistan: A Case Study. *International Journal of Medical Science in Clinical Research and Review*, 3(03,), 256-262.
7. Javaid, S., & Javaid, M. K. J. D. A. (2020). Survey on Corona Virus: A Case Study in Pakistan. *International Journal of Medical Science in Clinical Research and Review*, 3(02,), 223-227.
8. Bukht, N., & Javed, M. K. (2020). Banker's Awareness of Corona Virus. *International Journal of Medical Science in Clinical Research and Review*, 3(03,), 251-255.
9. Kashif, M., Javed, M. K., & Pandey, D. (2020). A Surge in Cyber-Crime during COVID-19. *Indonesian Journal of Social and Environmental Issues (IJSEI)*, 1(2), 48-52.
10. Kashif, M., & Aziz-Ur-Rehman, M. K. J. (2020). Social media addiction due to coronavirus. *International Journal of Medical Science in Clinical Research and Review*, 3(04), 331-336.