

The Effects of Sound Vibration on Plants

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We have looked, in depth, at how soundwaves can affect a person. There are different sound healing methods that are designed to help our cells, bones, and just about every other part of our body. We are all made up of vibrations, so it makes sense that stable vibrations can help entrain any of our chaotic, “dis-eased” vibrations back to a steady vibration, allowing energy to flow through us with ease.

I was listening to a podcast about the San Pablo Bay and how toxic it is and how nothing should be eaten out of there. I wondered if everybody toned the sound of love to the ocean, could we start to heal it? This got me thinking about nature in general. Plants are living organisms with cells and organs, just like us. More importantly, they are made of the same vibrations that we are made from, that everything is made from. So, would sound waves have any effect on plants?

There are quite a few studies that test the effects of sound on plants. I’m going to briefly discuss a few of the studies that I found online. The first one was conducted by Patel Ankur, Shankar Sangeetha (both from the department of biotechnology, Sheth LUJ and Sir MV Collage of Science, Mumbai, India) and Narkhede Seema (Department of Botany, Sheth LUJ and Sir MV Collage of science, Mumbai, India). They had three groups of mung bean seeds in three different, isolated, soundproof environment chambers. One chamber was the control, which means the plants were not exposed to any sound. The second group was exposed to Sanskrit chants. The third group was exposed to discouraging words. Group two and group three both heard their sounds for 2 hours a day for twenty days. All other conditions were the same between the three groups. The elongation of the shoot and the length of the leaves were being measured and recoded. They found that the mung beans that was the control group had a shoot length of 9-10cm with a leaf axis of 1cm and the leaf was partially open. The group that was exposed to Sanskrit had a shoot length of 11-13cm and the same leaf axis of 1cm and the leaf was partially open. The group that was exposed to discouraging words had shoot lengths of only 5-7cm and they were almost decaying. They had a 1 cm leaf axis length, but the leaves were closed. They conclude that playing Sanskrit chants helps the plants take in vibrations and help them grow faster and be of much higher quality.

The next study I found was done by Lirong QI, Guanghui Teng, Tianzhen Hou, Xiaona Liu (all from The College of Water Conservancy and Civil Engineering, China Agricultural University, Beijing, P. R. China) and Baoying Zhu (from Beijing Xiaotangshan National Agricultural Demonstraion Zone, Beijing, P. R. China). They did their experiment with strawberries. They had a control group and a group that was exposed to different sound waves; the frequency and volume were determined by the temperature of the green house. They measured the area of the leaves to determine their findings. They found that in the beginning of growing season, during squaring period, and the fruiting stage, the leaf area was bigger for the plants that were exposed to sound waves. There was no big difference during the flowering stage. It seems most

of the studies that I have come across all show results that say exposing plants to music or sound will help them grow faster and stronger.

This next study seems to take it a little further. This study was done by Ratnesh Chandra Mishra, Riteh Ghosh and Hanhong Bae (all from the Department of Bioechnology, Yeungnam University, Gyeongsan, Gyeongbook 38541, Republic of Korea). It talks about the positive effects that sounds and frequencies have on plants but also study how plants respond to natural sound vibrations. It was truly fascinating to see what they found. For example, many flowers operate with bees in something called “buzz pollination”. The plants have learned to distinguish pollinators from pollen thieves by the frequency of the insect’s buzz. They let the ones with the correct buzz have the pollen. They found that plants produce acoustic vibrations for many reasons, such as warning other plants about low water supply when a drought is happening. These acoustic vibrations come from the roots. It also gets more into the many benefits they saw of exposing plants to sound vibrations. Sound seems to be a positive energy for plants.

There are a lot of studies on this topic but many of them do not get taken too seriously because their results aren’t always repeatable. I believe that this next study adds something that isn’t talked about in the other three studies I’ve discussed and is probably missing from a lot of the recreations of the experiments, healing energy and Positive intention. Intention is everything when healing a person, it makes sense that it would be a huge part for plants as well. This study was done by Katherine Creath, Ph.D. and Gary E. Schwartz Ph.D. They had a series of experiments done on okra and zucchini seeds. There were four different sound conditions for the plants: a control (no sound), music, pink noise and healing energy. Healing energy was given for 15-20 minutes, every 12 hours, with the intention that the treated seeds would germinate faster than those not exposed to the healing energy.

They found, like everybody else, that the plants exposed to music did better than the ones that were in the control group and grew better than the ones exposed to pink noise. They also found that the ones exposed to healing energy and intention grew significantly better as well. It was just about as powerful as the music. This suggests that not only sound vibrations help plants grow, but positive healing energy vibrations also effect plants and their growth.

We have now discussed a few studies that show the benefits of sound waves on plants and one that includes intention to complete the puzzle. Plants are vibrations with energy fields, just like humans. One more thing I would like to bring up, because it’s really cool, is Music of the Plants (www.musicoftheplants.com). They have a device that picks up on a plants energy field and puts it through a synthesizer, so it sounds like music. The plant can control what it plays depending on its mood and surroundings and responses to stimuli. They are making videos of people playing music with plants and the plants reacting to what is going on, so having a true improv jam with a person and a plant. Could you imagine the symphony the plants are making all the time? As people become more spiritually aware and are able to feel their own energies and the energies of others, we will also open up to really feeling the energies of the plants again too; and they will sing us a pretty song when they are well and they will sing chaos when they are not. Sound does effect plants because plants are sound.