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# PSYCHOLOGICAL BENEFITS OF NATURE EXPOSURE: A STUDY ON ECOTHERAPY

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#### ABSTRACT

The goal of this research paper is to examine the psychological benefits of nature exposure by means of ecotherapy; though therapy technique that introduces nature into the healing process in the overall enhancement of psychological well-being. With such intellectual health points remaining to increase towards the background of growing urbanization and technological dependency, efficient interventions are needed now. This has a look at will subsequently make compares on charges of ecotherapy on anxiety, depression and levels of strain whereby, it will adopt an amalgamation of both quantitative and qualitative technique. Through a comparability of 3 ecotherapy activities namely; Shinrin-yoku, network gardening and mindfulness in the green as opposed to manipulate organizations involved in indoor well-being actions, the research aims at finding general characteristics of nature exposure that cause cognitive boosts. The expected findings will therefore offer antis. The realization of expected findings above will give empirical base to assist ecotherapy as a feasible remedy option for integration into intellectual health practices and community health endeavors. Finally, this study aims to try selling the importance of connection between nature and mental illness treatment adding herbal options to traditional properly-being solutions.

**Keywords:** Ecotherapy, Nature Exposure, Mental Health, Psychological Benefits, Stress Reduction, Wellbeing

### INTRODUCTION

Our population becomes mostly urban and we rely on advancing technologies stress-related mental disorders such as anxiety, depression, and stress-related syndromes are rising. Traditional treatment approaches typically involve pharmacological and cognitively behavioral treatment modalities; recent evidence suggests that nature connection might be essential for psychological well-being. The increased interest in the recognition of eco-therapy as a therapy that focuses on the activity with the natural environment has stimulated an investigation of the potential of this therapy for the effectiveness in the mental health. This comprehensive memo underscores the positive psychological outcomes that accrue from nature engagement; foundational concepts of ecotherapy; and the values of conducting research in that line.

The term 'Ecotherapy' points to the body of therapeutic endeavors that involves engaging with nature and having relationships with nature spaces. He can combine gardening, hiking, as well as Shinrin-yoku or forest bathing as some of the methods of practicing nature-based mindfulness. The concept is to create a bond with nature so that as a result mental health will be better and that it won't be as grueling to recover emotionally.



Nature exposure has been shown to decrease cortisol levels (the stress hormone), selling relaxation and reducing physiological strain responses. Natural environments can create a experience of calm and tranquility, which can also alleviate anxiety and strain. Engaging with nature encourages individuals to be present and conscious, enhancing focus of their surroundings. This mindfulness can lead to reduced rumination and advanced emotional regulation. Studies indicate that point spent in nature can raise mood, growth feelings of happiness, and reduce signs of despair. The aesthetics of nature, including greenery, water, and natural world, make a contribution to advantageous emotional reports. Nature-based totally activities frequently occur in institution settings, fostering social interactions and network bonds. These connections can offer emotional aid, combat emotions of isolation, and promote a feel of belonging. Many forms of ecotherapy contain physical motion, which itself has been linked to stepped forward intellectual health. Exercise releases endorphins, called "senseexcellent" hormones, contributing to more desirable temper and nicely-being.

Nature publicity has been connected to improvements in attention span and cognitive functioning. Kaplan and Kaplan's Attention Restoration Theory posits that herbal environments provide restorative reviews that assist replenish cognitive sources, enhancing focus and creativity. Engagement with nature can sell mental resilience by using presenting individuals with coping strategies to manage strain and adversity. Nature serves as a restorative backdrop that enables private mirrored image and hassle-fixing. Studies have indicated that people who regularly have interaction with herbal environments report better levels of life pleasure and universal happiness. The intrinsic beauty of nature can foster a feel of marvel and appreciation for life.

The psychological advantages of nature publicity through ecotherapy constitute a promising street for improving mental fitness and properly-being. By exploring the mechanisms through which nature influences mental health, this research can provide precious insights that bridge the gap between mental health and environmental attention. As urbanization continues to upward push, prioritizing get entry to to natural environments becomes increasingly important for selling mental wellbeing. Future studies on this location will not handily decorate our information of ecotherapy however additionally propose for its integration into mental health practices, network initiatives, and public coverage. The recuperation power of nature has the capacity to transform intellectual fitness treatment, fostering a deeper connection among individuals and the environment at the same time as improving universal nicely-being.

In short, as urbanization increases and technology turns into greater indispensable to daily existence, mental health troubles are at the rise, highlighting the want for powerful therapeutic interventions. This takes a look at proposes to discover the mental advantages of nature publicity, especially specializing in ecotherapy as a therapeutic approach. By examining the results of nature publicity on mental nicely-being, this research pursuits to offer empirical evidence helping ecotherapy as a feasible remedy choice for people tormented by tension, despair, and stress-associated problems. The therapeutic benefits of nature had been recognized for hundreds of years, but present-day clinical studies is starting to substantiate those claims. Ecotherapy, which refers to quite a number healing practices that involve outside reviews, has gained popularity as an alternative treatment for intellectual fitness issues. This observe will check out the mental blessings of ecotherapy, exploring how various sorts of nature publicity-together with wooded area bathing, gardening, and outside mindfulness practices-can improve mental fitness outcomes.

#### Limitations of Research

Although the observe objectives to recruit a pattern of a few individuals, the variety of the sample can be restrained by geographic place or availability. A predominantly homogeneous pattern can have an effect on the generalizability of the findings to broader populations. Moreover, the reliance on self-reported measures for psychological tests can introduce biases, which includes social desirability or subjective interpretation of questions. Participants may additionally underreport or exaggerate their signs and symptoms, affecting the accuracy of the results. Furthermore, the proposed study will degree results right away following the intervention. Long-time period consequences of ecotherapy on intellectual fitness might not be captured, and similarly studies might be needed to investigate sustainability through the years. Moreover, the effectiveness of the manage institution's indoor wellbeing activities might not accurately replicate a similar baseline. The nature of these sports may want to affect individuals' mental states differently, introducing variability in outcomes. Variability in environmental conditions at some point of ecotherapy periods (e.g., climate, time of year) can



affect participants' experiences and consequences, making it difficult to isolate the outcomes of nature publicity from these elements.

Addressing these obstacles in future research can decorate the robustness of findings and make contributions to a deeper know-how of the psychological blessings of ecotherapy.

#### Significance of Research

This research goals to provide empirical proof supporting ecotherapy as an effective intervention for highbrow health troubles consisting of tension, depression, and strain-related disorders. By validating ecotherapy, mental fitness practitioners can include nature-based totally definitely remedies into remedy plans, offering sufferers a holistic approach to enhancing their mental well-being. Moreover, By highlighting the blessings of normal nature publicity, this have a look at may also want to encourage preventive highbrow fitness strategies that target improving properly-being rather than absolutely treating current situations. This proactive method can result in reduced occurrence costs of highbrow health problems. Furthermore, The findings have to influence metropolis making plans and insurance selections by using emphasizing the significance of green areas in city environments. Incorporating natural areas into city designs can promote public fitness, beautify network harmony, and provide citizens with available therapeutic environments. Moreover, Bv demonstrating the mental advantages of nature, the research can foster a more appreciation for natural environments and encourage individuals to engage in conservation efforts. Increased attention of the intellectual fitness blessings of nature may additionally encourage humans to shield and keep herbal property. By exploring the several dimensions of ecotherapy, this study will lay the idea for in addition studies on this rising problem. Future studies can construct on those findings to analyze lengthy-time period consequences, greatest nature publicity period, and the mental impacts of different serotherapeutic practices. Lastly, the findings should have an effect on highbrow health coverage with the aid of advocating for the inclusion of nature-based totally remedies in intellectual health service delivery. This can cause funding opportunities and resources for programs that include ecotherapy as a trendy remedy alternative.

Overall, the importance of this studies extends beyond instructional inquiry; it has the ability to influence mental fitness practices, public policy, network health initiatives, and the general information of the intrinsic connection amongst nature and human properly-being.

#### **Research Questions**

- 1. What is the effect of different varieties of ecotherapy on degrees of anxiety, depression, and stress among people?
- 2. Which particular elements of nature publicity (e.g., sensory reports, social interactions, physical interest) make contributions most significantly to improvements in psychological properly-being?
- 3. How do demographic factors (which includes age, gender, and socioeconomic status) have an impact on the effectiveness of ecotherapy interventions in improving intellectual fitness consequences?

## **Research Objectives**

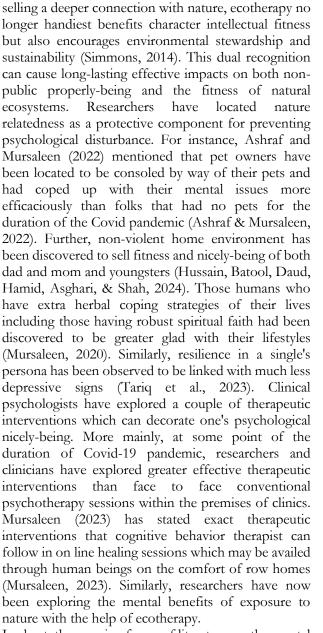
- To examine the effectiveness of various ecotherapy interventions (forest bathing, network gardening, and mindfulness in nature) in reducing symptoms of hysteria, melancholy, and pressure amongst participants, as compared to control companies engaged in indoor well-being activities.
- To perceive and examine the unique components of nature publicity that make a contribution to mental improvements, including sensory engagement, social connection, and physical pastime stages for the duration of ecotherapy classes.
- To explore how demographic variables affect individuals' responses to ecotherapy, presenting insights into which companies may also gain most from nature-based therapeutic interventions and informing future tailor-made intellectual health strategies.

#### Literature Review

Research on the psychological blessings of nature exposure has gained momentum in current years, highlighting its potential as an powerful intervention for mental health troubles. Ecotherapy, a practice that entails healing interaction with herbal environments, has emerged as a possible alternative for enhancing psychological well-being. This literature overview explores diverse studies that inspect the impact of nature exposure on intellectual fitness outcomes, the mechanisms at the back of those outcomes, and the results for ecotherapy. Numerous research have established the wonderful effects of nature publicity on intellectual health. Bratman et al. (2015) located that folks that walked in natural environments exhibited decrease levels of rumination and decreased neural hobby in the prefrontal cortex, which is associated with self-referential notion. This shows that nature exposure can effectively interrupt terrible thought patterns, that are regularly linked to tension and despair.

Kaplan and Kaplan (1989) added the Attention Restoration Theory, positing that herbal environments provide restorative studies that help top off cognitive sources. Their studies indicates that point spent in nature improves interest span and cognitive functioning, which can be in particular useful for individuals experiencing intellectual fatigue. This cognitive restoration may also result in more advantageous temper and normal mental resilience. Additionally, research by way of Barton and Pretty (2010) highlights the dose-reaction dating among nature exposure and mental fitness blessings, noting that even small doses of inexperienced workout can extensively beautify nicely-being. Their findings endorse that normal engagement with natural environments can result in sustained enhancements in temper and discounts in anxiety and melancholy signs and symptoms.

The mechanisms underlying the mental advantages of nature publicity are multifaceted. One key issue is the discount of physiological stress responses. Studies have proven that spending time in nature can lower cortisol degrees, selling rest (Ulrich, 1983). This pressure discount can result in improved emotional well-being and better coping techniques. Furthermore, nature exposure fosters social connections, which play a vital role in mental fitness. Community-based totally ecotherapy programs that contain group sports in natural settings can decorate social support networks, decreasing emotions of isolation (Buzzell & Chalquist, 2009). Social interactions in nature can provide emotional validation and foster a experience of belonging, which is crucial for psychological resilience. Ecotherapy has received reputation as a legitimate healing intervention for mental health troubles. Research through Jordan and Hinds (2016) emphasizes the importance of structured ecotherapy packages that integrate nature exposure with therapeutic practices. Their look at found that members in ecotherapy packages stated tremendous reductions in anxiety and depression, in addition to stepped forward general life pleasure. Moreover, ecotherapy gives a completely unique method to mental health remedy by addressing both psychological and environmental needs. By



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In short, the growing frame of literature on the mental advantages of nature exposure underscores the ability of ecotherapy as an effective intervention for mental fitness issues. Through mechanisms which includes stress reduction, cognitive healing, and more suitable social connections, nature publicity can extensively improve mental properly-being. As research maintains to discover the nuances of ecotherapy, it's far vital to consider the results for intellectual fitness practices, urban planning, and community health tasks.



#### **Research Methodology**

This study ambitions to illuminate the psychological benefits of ecotherapy, probably paving the manner for nature-primarily based treatment plans to come to be a preferred element of intellectual health care. A mixedtechniques approach could be applied, combining quantitative surveys and qualitative interviews to accumulate comprehensive facts. Some people could be recruited from city areas, with an equal illustration of genders and diverse backgrounds. Pre- and put upintervention tests might be carried out the use of proven mental scales (e.g., GAD-7 for anxiety, PHQnine for depression). Statistical analysis may be finished to compare adjustments in psychological results between groups, even as thematic analysis might be carried out to qualitative statistics. This study is anticipated to offer proof helping the efficacy of ecotherapy as a healing intervention. The findings of this look at could have tremendous implications for treatment strategies, promoting mental health ecotherapy as a legitimate and effective intervention for mental health problems. Additionally, this research may want to encourage city planners and intellectual health specialists to combine herbal spaces into therapeutic practices and network fitness tasks.

#### **Discussion & Analysis**

Ecotherapy, or nature remedy, encompasses a number of therapeutic practices that have interaction individuals with herbal environments to improve mental health. Research has shown that specific styles of ecotherapy will have considerable and varying effects on tiers of tension, depression, and pressure among people. Below is a top level view of the outcomes of 3 normally studied types of ecotherapy: woodland bathing, network gardening, and mindfulness in nature.

Overview: Originating in Japan, woodland bathing involves immersing oneself in woodland surroundings and engaging with the sights, sounds, and scents of nature.

Impact on Mental Health:

**Anxiety Reduction:** Studies have verified that woodland bathing can result in substantial reductions in anxiety degrees. For instance, in a observe discovered that individuals who frolicked in woodland settings said lower anxiety stages in comparison to the ones in city environments.

**Depression Improvement:** Research indicates that woodland bathing can also alleviate symptoms of despair. A study confirmed that members skilled improved mood and decreased depressive symptoms after spending time in forests.

**Stress Relief:** The calming effects of nature contribute to pressure relief. Participants in woodland bathing studies regularly record decrease cortisol tiers and stepped forward standard nicely-being, assisting the perception that natural environments can serve as restorative spaces.

The impact of various varieties of ecotherapy on stages of tension, melancholy, and strain is huge, with every form imparting specific benefits. Forest bathing, network gardening, and mindfulness in nature had been proven to effectively reduce tension and depression at the same time as selling average mental properly-being. These findings underscore the significance of integrating nature-primarily based cures into mental fitness practices to harness the restorative electricity of the herbal environment for psychological recovery.

# Pre-Test

The members had been divided into three groups. Each were given certain undertaking to perform.

Group A, Group B & Group C.

Group A were given a challenge to speak about how they fee within the contemporary surroundings briefly. They all individuals in the Group wrote their perspectives.

Group B became requested to take a glance on the environment and what is the maximum commonplace thing that got attracted to, or why they like that element.

Group C turned into requested to put in writing suggestions that what we want to bring with ourselves to enjoy the character.

RESULTS

Group A = seventy-eight% had been happy that nature had certain impact over our lives and our temper relies upon at the surroundings too.

Group B= 23% had been again the thought that nature is nothing but it is inner us that makes nature extra stunning. On every occasion we are satisfied internal we feel clean.

Group C= They were of the view that Nature ought to be looked after. As this is nature that is ourselves and in destiny we can get benefit from it too. Seventyseven% had been those perspectives.

Specific factors of nature exposure that contribute appreciably to enhancements in mental properly-being encompass sensory experiences, social interactions, and bodily hobby.

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Sensory studies in nature, together with the attractions, sounds, and scents of the natural surroundings, play a important position in improving mood and lowering strain. Engaging with nature stimulates the senses, promoting emotions of relaxation and tranquility. For example, the sound of rustling leaves, the fragrance of plants, and the visual splendor of landscapes can evoke advantageous feelings and foster a experience of connection to the environment.

Social interactions also make contributions to psychological nicely-being during nature exposure. Activities which include community gardening or organization hikes create possibilities for social bonding, that can lessen emotions of isolation and loneliness. The aid and companionship gained from shared reports in nature can enhance emotional resilience and provide a sense of belonging, which is critical for intellectual health.

Physical hobby is some other important detail related to nature publicity. Engaging in outside activities which includes walking, hiking, or gardening no longer best promotes bodily fitness but additionally releases endorphins that improve mood and decrease anxiety. The combination of physical exertion and the restorative qualities of nature can cause great upgrades in basic mental nicely-being.

Together, these factors—sensory studies, social interactions, and bodily interest—paintings synergistically to decorate mental health results, making nature exposure a effective intervention for selling psychological well-being.

Demographic elements including age, gender, and socioeconomic fame can extensively affect the effectiveness of ecotherapy interventions in improving intellectual health results.

Age can affect how individuals understand and reply to nature exposure. For instance, younger individuals may additionally benefit from ecotherapy via extended social interactions and physical interest, which might be regularly appealing in network settings. Older adults, then again, may discover solace in the calming components of nature, which include forest bathing, which could lessen tension and promote rest. Additionally, older adults may also have exclusive mobility stages, which could have an impact on the varieties of ecotherapy they can participate in.

Gender can also play a role in how ecotherapy affects intellectual health. Research indicates that girls regularly document higher degrees of pressure and tension compared to men and might respond in a different way to nature-primarily based interventions. Women may find community-based totally sports extra useful because of their social nature, whilst guys may additionally choose more solitary experiences in nature, which include hiking. These alternatives can affect the effects of ecotherapy interventions based totally on gender differences in socialization and emotional expression.

Socioeconomic repute (SES) is some other critical element influencing the effectiveness of ecotherapy. Individuals from lower socioeconomic backgrounds may have much less get entry to to herbal areas and might revel in higher levels of stress because of monetary and social constraints. This confined access can impact their potential to interact in ecotherapy activities, potentially lowering the general effectiveness of such interventions for these populations. Conversely, people with higher SES might also have greater possibilities to participate in organized ecotherapy applications, main to extra great intellectual health upgrades.

Overall, knowledge these demographic elements is important for tailoring ecotherapy interventions to maximize their effectiveness throughout diverse populations. By thinking about age, gender, and socioeconomic popularity, practitioners can better design and put in force ecotherapy applications that meet the precise desires of various companies, ultimately enhancing mental health effects.

# Conclusion

This study paper highlights the pressing need to discover the psychological benefits of nature exposure through ecotherapy as a viable intervention for intellectual health troubles. As urbanization and technological improvements retain to reshape our environments and existence, the upward thrust in intellectual fitness issues necessitates innovative strategies to remedy. By systematically investigating the outcomes of numerous kinds of ecotherapy on anxiety, depression, and pressure, this observes objectives to provide empirical evidence helping the therapeutic ability of nature.

The anticipated findings are anticipated to illuminate the profound connection between mental nicely-being and herbal environments, advocating for the mixing of ecotherapy into intellectual health practices and guidelines. This research will not handily make a contribution to the growing frame of literature on nature and mental health however also promote recognition of the significance of get admission to green spaces in urban settings. By emphasizing the importance of nature in enhancing psychological fitness, the take a look at encourages a shift closer to preventive intellectual health strategies and networktargeted initiatives that harness the restorative features of the herbal international. Ultimately, a success implementation of ecotherapy could lead to stepped forward mental fitness outcomes, extra community engagement, and a renewed appreciation for the vital position nature plays in our ordinary well-being.

In brief, this research objectives to put the inspiration for a transformative approach to mental fitness care, one that recognizes and utilizes the inherent healing homes of nature, fostering a holistic knowledge of health that bridges the distance between environmental and mental wellness.

#### **Recommendations for Future Related Studies**

- Diverse Ecotherapy Practices: Investigate a broader variety of ecotherapy interventions, including nature artwork therapy, animal-assisted remedy, and out of doors adventure packages. Understanding how exceptional kinds of nature engagement effect mental health can offer a complete view of ecotherapy's efficacy.
- **Cultural Considerations:** Conduct research that explore the results of ecotherapy across numerous cultural and socioeconomic backgrounds. Understanding cultural perceptions of nature and intellectual health can lead to more tailor-made and effective interventions that resonate with numerous populations.
- **Mechanisms of Action:** Future research should delve into the underlying psychological and physiological mechanisms through which nature publicity exerts its outcomes. Investigating factors along with strain reduction, improved mindfulness, and social connection can decorate the understanding of the way ecotherapy works.
- **Comparative Studies:** Implement comparative research that evaluate the effectiveness of ecotherapy against conventional healing approaches, consisting of cognitive-behavioral remedy (CBT) or medicine. This should help set up the relative effectiveness and appropriateness of ecotherapy for precise mental fitness conditions.



By addressing these suggestions, destiny research can amplify the information of ecotherapy and its capability role in intellectual health treatment, main to revolutionary strategies that leverage the recovery electricity of nature for numerous populations.

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