



CARBONOC
CLIMATE INITIATIVE

*How Can You
Make a
Difference?*

ECO EYE MAGAZINE

By
Carbonoc Climate Initiative

**Join us in shaping a greener tomorrow,
where every action counts...!!**

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Shameem Sainudeen
Chairman Carbonoc Climate Initiative and
Managing Director - The Planet Greeners

"As we celebrate the beauty and diversity of our planet, I am reminded of the urgent responsibility that lies before us. As the publisher of "Eco Eye", it is our mission to inspire and empower individuals to take action in protecting the natural world. Through our pages, we will continue to shine a light on the most critical environmental issues, share innovative solutions, and amplify the voices of those working tirelessly to preserve our planet's future. Let us join forces to create a more sustainable tomorrow, one that is rooted in hope, resilience, and collective commitment to the well-being of our planet and all its inhabitants"



His Excellency Dr Abdullah bin Mohammed Belhaif Al Nuaimi
Chairman of Sharjah Consultative Council

“According to the Secretary-General of the United Nations, it is a make-or-break moment for the 1.5°C limit. Unfortunately, the world was already at the breaking point prior to 2015 and the years leading up to the Paris Agreement. It becomes a breaking point when we focus solely on the target of 1.5 degrees without establishing the process for achieving it. It is a break when we opt for voluntary NDCs. It is a break when we stand by as industrialized countries exploit the resources of developing nations. It is a break, and sadly, a break when we do not allow nature to delicately protect and balance the environment”



Shamsu Zaman C T
Managing Director Habitat School - Ajman

Sustainability is the foundation upon which the future prosperity of our planet and its inhabitants' rests.

At Habitat Schools, where the principles of sustainable growth and environmental stewardship are woven into our educational framework, we understand that sustainability is not just a concept but a way of life. Habitat Schools is proud to be the first school in the UAE to integrate farming into our curriculum, a pioneering step that underscores our commitment to environmental education. Our dedication to sustainability has been recognized with numerous awards, including a Guinness World Record in 2019. Furthermore, Habitat Schools was the only educational institution officially invited to the United Nations COP 28 held in Dubai, in recognition of our exemplary sustainability goals. As a person associated with a group of schools fundamentally focused on farming training for students, I have seen firsthand the transformative power of instilling values of respect for our planet's resources and ecosystems from an early age.

Growing up on a farm, I learned the importance of living in harmony with nature from my father, an educator and farmer whose wisdom still guides me today. It is our collective responsibility to ensure that future generations inherit a world where the beauty of nature is preserved, and communities thrive in balance with their environment.

I wholeheartedly support your mission to equip our youth with the knowledge and tools needed to create a more sustainable and equitable world. By nurturing a generation of environmentally conscious leaders, we can pave the way for a brighter future for all.

Congratulations on your magazine endeavor, and may it inspire countless individuals to take action in preserving our planet for generations to come.



Anjum Hasan
Head Sustainability & Environment Supervisor
Delhi Private School, Sharjah

The future is green! The future is sustainable, and it is important to keep that mantra chanting in our minds as we move towards a greener future. Sustainability is a journey, a reward of keeping this world safe for the next, not just an objective destination waiting to arrive. Though filled with hardships and numerous obstacles, it is a mission to inspire and empower eco-warriors as they take on the mantle of protecting our environment. It gives me immense pleasure when I see our students and teachers alike in action and consistently adopting greener practices for a greener future. I have been living here since 2003 and have seen the United Arab Emirates progress forward with hardened determination, paving the way for many, and I believe, in the hands of such hardworking youth, that green future is not as far as you may think. I feel happy and smile when someone calls me –“Green Lady, Trailblazer of sustainability .It’s the satisfaction that “All is well” but the best feeling comes when the future pioneers are ready to take over- “Our Land, Our Future.” They have begun the Act of Generation Restoration. Congratulations and all the best for Carbonoc Climate Initiative for their new magazine.

About Planet Greeners:

The Planet Greeners Agricultural Services LLC are completing more than a decade in UAE in the field of Agriculture and environment serving the agricultural sector and promoting climate action in the community. We are proud to share our happiness for our invitation to the COP 28, in the Blue zone, as an enabler of climate action in educational institutions. The Planet Greeners environmental venture, “Carbonoc-Climate Initiative” a roadmap and regional strategies for climate action.

CARBONOC Climate initiatives FZ is a leading organization that is dedicated to addressing the urgent need for environmental action. With a formal tone, the company focuses on implementing sustainable practices and promoting eco-friendly solutions to combat climate change. Through extensive research and collaboration with experts, the company develops innovative strategies to reduce carbon emissions, conserve natural resources, and promote renewable energy sources. By partnering with governments, businesses, and communities, the company strives to create a global network of environmental advocates who are committed to preserving our planet for future generations. With a strong emphasis on transparency and accountability, the climate initiatives company aims to inspire and empower individuals and organizations to take meaningful action towards a greener and more sustainable future.

Climate Change Crisis: Challenges and Hopes for a Sustainable Future



The climate change crisis stands as one of the most pressing issues of our time, posing significant challenges to ecosystems, economies, and communities worldwide. Despite the daunting nature of these challenges, there is also a growing sense of hope as innovations, policies, and collective actions offer pathways towards a more sustainable future.

The Challenges

Rising Temperatures and Extreme Weather: Global temperatures have been rising at an unprecedented rate due to increased greenhouse gas emissions. This leads to more frequent and severe heatwaves, droughts, and other extreme weather events, which can have devastating effects on agriculture, water supplies, and human health.

Melting Ice Caps and Rising Sea Levels: The melting of polar ice caps and glaciers contributes to rising sea levels, threatening coastal communities and ecosystems. This can result in loss of habitat, increased flooding, and displacement of populations.

Loss of Biodiversity: Climate change accelerates the loss of biodiversity as species struggle to adapt to rapidly changing conditions. Habitat destruction, changes in food availability, and altered ecosystems put many species at risk of extinction.

Economic Impacts: The economic implications of climate change are vast, affecting agriculture, infrastructure, and livelihoods. Crop failures, damage to property from extreme weather, and the cost of adapting to new environmental realities strain economies, particularly in developing nations.

Human Health Risks: Climate change exacerbates health issues by increasing the spread of diseases, contributing to respiratory problems from poor air quality, and putting additional stress on healthcare systems due to extreme weather events.

The Hopes

Renewable Energy Adoption: Transitioning to renewable energy sources such as solar, wind, and hydroelectric power is essential to reducing greenhouse gas emissions. Technological advancements and decreasing costs are making these alternatives more viable and widespread.

Innovative Technologies: Innovations such as carbon capture and storage (CCS), electric vehicles, and smart grids are playing crucial roles in mitigating climate change. Continued research and development in these areas hold promise for more effective solutions.

International Agreements and Policies: Global cooperation through agreements like the Paris Agreement aims to limit global warming to well below 2 degrees Celsius. National policies that promote emission reductions, conservation efforts, and sustainable practices are vital for meeting these targets.

Community and Grassroots Initiatives: Local communities and grassroots movements are driving significant change by advocating for environmental justice, sustainable practices, and climate awareness. These initiatives foster resilience and adaptability at the community level.

Education and Awareness: Increasing awareness and education about climate change can empower individuals to make informed choices and engage in advocacy. Understanding the impact of daily actions and the importance of sustainability can drive societal shifts towards more eco-friendly behaviors.

Corporate Responsibility: Businesses are increasingly recognizing their role in combating climate change. Corporate sustainability initiatives, green investments, and commitments to reducing carbon footprints are contributing to global efforts to address the crisis.

Global Tragedies of 2023's Natural Events

Catastrophic natural disasters and severe weather events claimed the lives and displaced tens of thousands worldwide. As the twilight descends on the record-breaking year, climate change and its catastrophic consequences take center stage in discussions among global leaders. In December, the U.N. Climate Change Conference, also known as COP28, marked the official commencement of a 'loss and damage' fund aimed at providing financial aid to developing nations grappling with the severe impacts of climate change.

Undoubtedly, 2023 witnessed a plethora of disasters, some of which were the most severe experienced by their respective countries in years, if not decades. Among these calamities, earthquakes overwhelmingly dominated the top 10, claiming thousands of lives in c



The most devastating occurrence of the year comprised a dual earthquake event, registering magnitudes of 7.8 and 7.5, which struck southern Turkey close to the Syrian border on February 6. Approximately 14 million individuals, constituting 16 percent of Turkey's populace, were impacted. Official reports recorded 50,783 fatalities in Turkey and 8,476 in Syria.

On September 8, a seismic event of magnitude 6.8 hit western Morocco, resulting in the loss of at least 2,900 lives and injuring 5,500 individuals. Subsequently, on October 7, western Afghanistan was rocked by a magnitude 6.3 earthquake, followed by another of the same intensity four days later, and a magnitude 6.4 quake on October 15, resulting in nearly 3,000 casualties.

Typhoon Doksuri triggered substantial precipitation and flooding across no fewer than 16 cities and provinces in northeastern China on July 29. In September, Mediterranean Storm Daniel traversed eastern Libya, leaving behind a trail of destruction

Throughout September, October, and November, storms triggered flooding in Mexico, Hong Kong, and Western Europe. Meanwhile, the Horn of Africa, still recuperating from a debilitating drought that left millions in dire need, faced heavy rainfall and floods attributed to the El Niño weather pattern. The sudden floods in November claimed numerous lives, leading to widespread displacement in Kenya, Somalia, and Ethiopia.

Conversely, unprecedented droughts led to dwindling river levels and the depletion of water bodies across several regions worldwide, including the Amazon rainforest.

Scientists warn that such extreme weather occurrences are poised to become more frequent and intense as the planet continues to warm.

Earthquake in Hatay, Turkey, in February



The earthquake that struck Hatay, Turkey, in February last year was indeed a tragic event that deeply affected not only the province but also several other regions in southern Turkey.

An aerial view of houses covered with volcanic ash following the eruption of Mount Merapi volcano in Magelang, Central Java province, Indonesia, on March 13, 2023

The aerial view of houses blanketed in volcanic ash serves as a stark reminder of the immense power and impact of natural disasters. The eruption of Mount Merapi in Magelang, Central Java province, Indonesia, on March 13, 2023, unleashed devastation that affected not only the immediate vicinity but also neighboring communities.



Torrential rain caused significant damage to the beachfront town of San Clemente, California, on March 16, 2023, leaving a backyard pool precariously hanging on a cliffside.



On March 16, 2023, the beachfront town of San Clemente, California, experienced severe weather conditions as torrential rains swept through the area. The heavy rainfall led to widespread flooding and landslides, causing significant damage to homes and infrastructure. Among the most striking incidents was a backyard pool that was left precariously hanging on the edge of a cliffside, illustrating the severe impact of the storm.

Severe Flooding Claims 20 Lives in Mentougou District, Beijing, China After Heavy Rains on August 4, 2023.



On August 4, 2023, the mountains of the Mentougou district, located west of Beijing, China, were ravaged by severe flooding following days of relentless heavy rains. Beijing recorded its heaviest rainfall in 140 years during this period, underscoring the severity of the weather event

Wildfire Engulfs Dadia National Park, Greece, Sending Flames and Smoke Skyward on September 1, 2023

On September 1, 2023, a fierce wildfire erupted in Dadia National Park, situated in the Evros region of Greece. The blaze quickly spread through the park, renowned for its dense forests and rich biodiversity, sending towering flames and thick plumes of smoke into the sky, visible from miles away.



Earthquake, in the town of Imi N'Tala, outside Marrakech, Morocco, on September 13, 2023



On September 13, 2023, a powerful earthquake struck the town of Imi N'Tala, located just outside Marrakech, Morocco, sending shockwaves through the region and causing widespread destruction. The earthquake, with its epicenter near Imi N'Tala, unleashed a series of violent tremors that rattled buildings and infrastructure, leaving a trail of devastation in its wake.

Earthquakes in Zendej Jan district of Herat province on October 9, 2023



On October 9, 2023, Zendej Jan district, located in Herat province, Afghanistan, was rocked by a series of powerful earthquakes, plunging the region into chaos and devastation. The seismic activity, originating from beneath the earth's surface, unleashed violent tremors that reverberated through the district, leaving a trail of destruction in their wake.

Floodwaters Engulf Mororo: Residents Navigate Destruction and Displacement in North Eastern Kenya



On November 30, 2023, residents of Mororo in North Eastern Kenya found themselves grappling with the aftermath of devastating flooding, which left a section of road destroyed and submerged under floodwaters. The scene was one of chaos and desperation as people waded through the murky waters, navigating the treacherous terrain in search of safety and higher ground.

Climate Change Takes Its Toll: The Tragic Fallout in Hwange National Park

In a haunting scene captured on December 5, 2023, within the sprawling expanse of Hwange National Park in Zimbabwe, the lifeless body of an elephant lies just meters away from a once life-sustaining watering hole. This solitary carcass is but one of a tragic tally, with at least 100 elephants succumbing to the unforgiving grip of drought that has tightened around the park's landscape.



Unraveling the Climate Crisis: Navigating the Path Forward



Climate change, the defining challenge of our time, casts a long shadow over the future of our planet. From the melting polar ice caps to the scorched landscapes of wildfire-ravaged forests, its impacts reverberate across every corner of the globe. At its core, climate change is a crisis of staggering complexity, driven by the relentless accumulation of greenhouse gases in the Earth's atmosphere. The consequences are profound and far-reaching, with rising temperatures, shifting weather patterns, and escalating environmental disruptions reshaping the very fabric of our world.

Transitioning to a low-carbon, resilient future will require bold and concerted action on multiple fronts. It demands ambitious commitments from governments to reduce emissions, invest in clean energy infrastructure, and support vulnerable communities in adapting to climate impacts. It calls for collective action from businesses, civil society organizations, and individuals to embrace sustainability, conservation, and environmental stewardship.



As we stand at a pivotal moment in history, the choices we make today will shape the trajectory of our planet for generations to come. By heeding the warnings of science, listening to the voices of the most affected, and summoning the political will to act, we can chart a course towards a more sustainable and equitable future. The journey will be fraught with challenges and uncertainties, but the stakes could not be higher. Together, we have the power to unravel the climate crisis and navigate the path forward towards a brighter tomorrow.

Habitat in Peril: The Threat of Loss and Degradation

**Habitat Degradation:
A Looming Threat to
Biodiversity"**

The UAE boasts remarkable wildlife diversity, yet much of it faces jeopardy due to fishing, pollution, urbanization, industrialization, and climate change. Tragically, our wadis, mangroves, coastlines, deserts, and wetlands are all imperiled by habitat loss. Native species like the Emirati leaf-toed gecko in Khor Fakkan struggle for survival amid developmental pressures. Marine life, such as the dugong or "sea cow," suffers from habitat loss, fishing net entanglement, and boat collisions. This enigmatic mammal is a focus of conservation efforts in the UAE due to its ecological significance and cultural importance.

The disappearance of bird species in urban environments can be attributed to several factors

The disappearance of bird species in urban environments is a multifaceted issue stemming from various factors. Firstly, habitat loss and fragmentation play a significant role. As cities expand and develop, natural habitats such as forests, wetlands, and grasslands are often cleared to make way for buildings, roads, and infrastructure. This loss of habitat reduces the available space for birds to nest, forage, and raise their young. Fragmentation further compounds the problem by isolating remaining habitat patches, making it harder for birds to move between suitable areas and leading to population declines.



How Is Climate Change Affecting Floods?



Floods are a ubiquitous natural phenomenon, occurring in every region of the world and throughout the year. However, attributing any specific flood event to climate change presents a significant challenge, according to experts. Historical records, especially for the most extreme floods, are often limited, making it difficult to establish a direct relationship between individual floods and climate change.

Understanding the relationship between climate change and flooding requires careful analysis of both historical data and climate models. While scientists acknowledge the influence of climate change on certain aspects of flooding, such as increased precipitation intensity, they emphasize the need for nuanced interpretation and consideration of multiple factors driving flood risk. By integrating scientific knowledge with robust risk assessment and adaptation measures, communities can better prepare for and mitigate the impacts of flooding in a changing climate.

**Do you Know
What causes
floods**



Flooding, like other extreme weather disasters, is influenced by a multitude of factors that interact in complex ways to determine its frequency and intensity. Among the primary ingredients contributing to flood development are precipitation, snowmelt, topography, and soil moisture levels. Depending on the type of flood—whether it's a river flood, coastal flood, or flash flood—certain factors may hold more

**Looking to
the future**

Looking to the future, scientists are confident that certain types of flooding will become more frequent and severe if greenhouse gas emissions continue at the current rate. In a "business as usual" scenario, where no significant efforts are made to reduce emissions, the impacts on flooding are expected to be substantial.

First, coastal flooding is projected to increase due to rising sea levels. This rise is driven by melting glaciers and ice sheets, which add volume to the ocean, and thermal expansion, where water expands as it warms. As sea levels rise, coastal areas will experience more frequent and severe flooding, especially during storm surges and high tides, threatening communities, infrastructure, and ecosystems along coastlines.

DUBAI FLOOD 2024



In 2024, Dubai experienced significant flooding, highlighting the challenges posed by heavy rainfall in a region known for its dry desert climate. Rainfall is a rare event in the UAE and the broader Arabian Peninsula, where summer air temperatures can exceed 50 degrees Celsius. This extreme heat and arid conditions generally define the region, making heavy rainfall an unusual and disruptive event.

One of the main issues exacerbating the flooding in Dubai is the lack of adequate drainage systems. The infrastructure in the UAE, including in major cities like Dubai, is not typically designed to handle substantial amounts of rain. As a result, when heavy rainfall occurs, the existing drainage systems quickly become overwhelmed, leading to widespread water accumulation and submerged roads. This lack of preparation and appropriate infrastructure significantly increases the impact of rare but intense rainfall events.

Additionally, with climate change potentially increasing the frequency and intensity of extreme weather events, including heavy rainfall, it is crucial for regions like the UAE to enhance their resilience and adaptability. By taking proactive measures to address these infrastructure challenges, Dubai can better protect its residents and maintain its reputation as a global city capable of handling environmental challenges.

TINY SEEDS SECTION



**Sustainability and environmental
stewardship By**

**Prachi Wadhwa
Grade: 8**

Pearl Wisdom School, Dubai

Title: The day we lost the blue yonder

The morning skys used to be covered with beautiful sunrises
Everyone joyfully playing and having fun
Until the monster global warming took away our sun.
The planet started heating like there was no tomorrow
We have had to action so that the future generations are not in sorrow.
The artic has started to melt while the coastal regions are drying up.
We can't buy lost time but we can fill up
The Cup with more greenery than pollutions
Come on everyone let's find some solutions

By-

Bhakti Venkatesh Hegde

Grade: 8

Delhi Private School Sharjah

DOWN THE GREEN-LANE

As the grass beneath my feet
Begins to dance and tickle my toes,
My twitchy heart feels complete,
With a feeling no other knows.

As the light breeze fans my cheeks,
So quiet no soul dares to speak.
My heart beats in time to every bird's song,
I feel that the nature's been my home all along!

I brush my fingers against the petals of every flower,
I feel like time is slowing with every hour.

My eyes glisten with every sight I see,
For I feel there's a beauty in every leaf.

As dazzling dew drops adorn the plants,
The rustling leaves begin to dance,
Oh! Nature so glorious! So green!
It blankets the world with its heart, serene.

Mother Earth! Such a wondrous friend!
On you, mankind will always depend!
Your eminence others cannot comprehend!
And I hope that your blessings won't ever end!

Izra Serah Nissam

Grade: 8

DPS Sharjah



Vibha R

Grade: 7

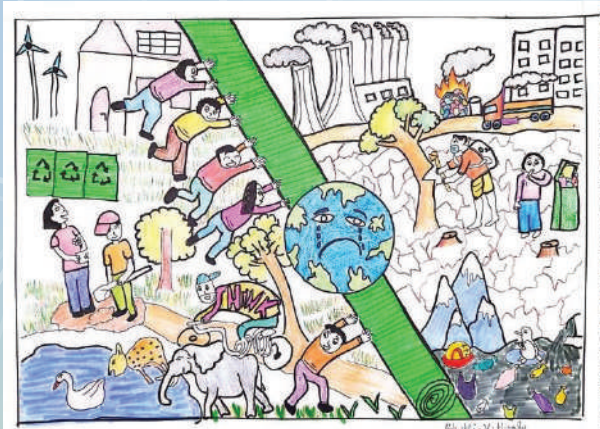
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Prachi Wadhwa

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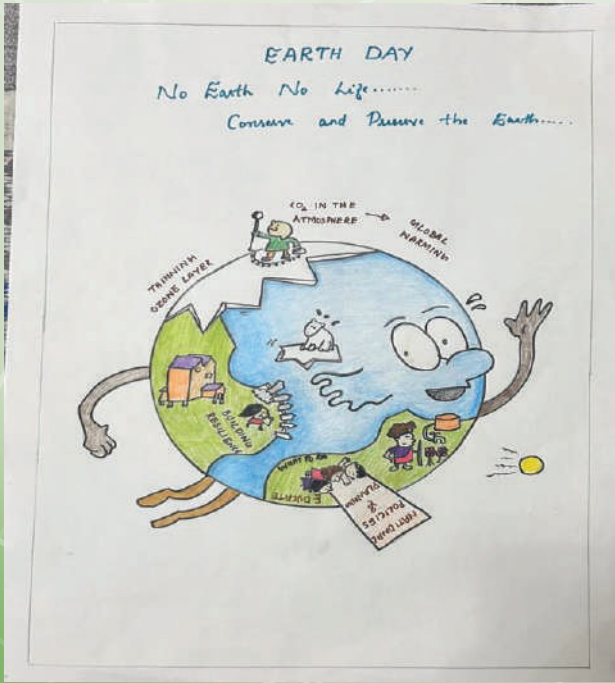
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Our Own English High School



Sankalp R Ganiga
Pearl Wisdom School, Dubai



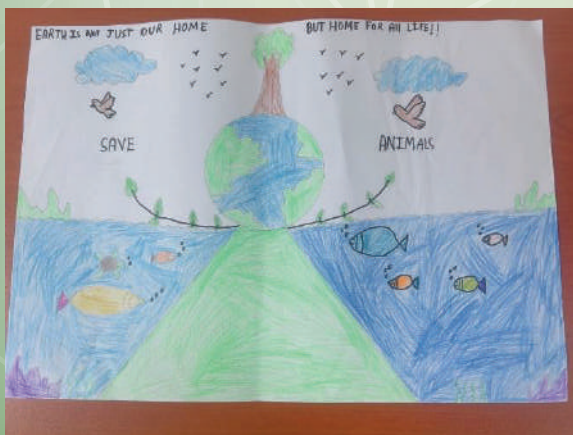
Juvan J Prabhakar
Pearl wisdom school, Dubai



**Drawing Competition on World
Wild Life Day at Delhi private
School, Dubai**



**Aarohi Saini
Grade: 3
Delhi Private School, Dubai**



**Armaan Ahmad Sharief
Grade: 3
Delhi Private School, Dubai**



Faria Syeda
Grade: 5
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Anunanda Krishna Binoj
Grade: 3
Delhi Private School, Dubai



Nidhi Nambiar PV
Grade: 5
Delhi Private School, Dubai

EXCITING UPCOMING EVENTS YOU WON'T WANT TO MISS

Exciting Upcoming Events You Won't Want to Miss

As the seasons change, there's no shortage of exciting events to look forward to. Whether you're interested in community gatherings, educational workshops, or cultural festivals, our upcoming events guide has something for everyone. Mark your calendars and get ready to explore these fantastic opportunities.

For more details, follow our Instagram page
<https://www.instagram.com/carbonclimateinitiative/>

How to Join
Free Membership Until July:

Exciting Partnership Opportunities Available Now - Join Us Today!

We are thrilled to announce an exclusive offer for new members! As we gear up for a season full of enriching events and initiatives, we are inviting everyone to join our community. Until July, you can take advantage of free membership, and after that, a yearly membership will be available for just 300 AED. Don't miss this opportunity to become part of a vibrant network dedicated to making a positive impact.

Call to Action!!!
Grab the Opportunity Now!

Membership Benefits

Joining our community offers a multitude of benefits:

Exclusive Access: Attend our events, workshops, and seminars for free or at discounted rates.

Networking Opportunities: Connect with like-minded individuals, industry experts, and thought leaders.

Resources and Tools: Gain access to valuable resources, newsletters, and publications to stay informed about the latest trends and best practices in sustainability, technology, arts, and more.

Early Bird Announcements: Be the first to know about upcoming events, special offers, and new initiatives.

How to Join

Free Membership Until July:

Simply subscribe before July to enjoy free membership for the first year. After this promotional period, the membership fee will be 300 AED per year.

Call to Action

Grab the Opportunity Now!

To join our community, email us at projects@planetgreeners.com.com with your name and contact details.



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