



نزرع للغد

ICBA
AGRICULTURE FOR TOMORROW



UNIVERSITY
OF WOLLONGONG
IN DUBAI

YOUTH EARTH SUMMIT

Frontiers in Sustainability

Agenda

OVERALL AGENDA

TIME	DESCRIPTION
8:30am – 9:00am	Registration, Virtual Tour of UOWD Campus and facilities
9:00am - 9:05am	Introduction Dr. Stephen Wilkinson Associate Professor, Faculty of Engineering and Information Sciences, UOWD
9:05am - 9:15am	Welcome Address Dr. Zeenath Khan Assistant Professor, Faculty of Engineering and Information Sciences, UOWD
9:15am - 9:25am	Opening Address Dr. Tarifa Al Zaabi Acting Director General, ICBA
9:25am - 9:40am	Keynote Speech Dr. Mohammad Ali Reza Khan Principal Wildlife Specialist, Dubai Safari, Public Parks & Leisure Facilities Department
9:40am - 9:45am	Q&A
9:45am - 9:50am	Rules and Procedures Mai Shalaby Curator of Emirates Soil Museum, ICBA
9:50am - 9:55am	Q&A
9:55am - 10:00am	Enter Breakout Sessions
10:00am - 2:00pm	Competition Presentations in Parallel Sessions
2:00pm – 2:10pm	Voting break
2:10pm – 2:30pm	Closing Address and Prize-giving Ceremony Dr. Stephen Wilkinson Associate Professor, Faculty of Engineering and Information Sciences, UOWD



**SESSION TITLE:
TECH-ENABLED FOOD
PRODUCTION 1**

JUDGES PANEL & MODERATOR

NAME

TITLE & DESIGNATION

Ms. Tasnim AlFalasi

Manager of Environmental Awareness Section,
Dubai Municipality
Judge

Ms. Farah Chakhachiro

Educational Manager,
Gracia Farms Hydroponics
Judge

Dr. Zeenath Khan

Assistant Professor, Faculty of Engineering and
Information Sciences, UOWD
Moderator

PRESENTERS

Time	Name	Designation	School/University
GROUP 1: CITY FARMING			
10:00am - 10:20am	A.SHAHEEDHA NAZREEN	MENTOR	The Elite English School Dubai
	Ameiya Caryn Parth Wankhede	Student	
	Ann Sam Swaras	Student	
	Mariyam Aysathul Affiya	Student	
	Vishaka Sharma	Student	
	Kiran Krishnan	Student	
GROUP 2: DRONE POLLINATION			
10:20am - 10:40am	RITU PAVAN SHARMA	MENTOR	New Indian Model School, Dubai
	Anvita Nambiar	Student	
	Haifa Fathima Hamsa	Student	
	Amina Abdul Hamd	Student	
	Nahida Najumudeen	Student	
	Hiba Mariyam	Student	

Time	Name	Designation	School/University
GROUP 3: VERTICAL FARMING			
10:40am - 11:00am	SHEEJA SHEREEF	MENTOR	New Indian Model School, Dubai
	Aditya Rajeev	Student	
	Sayanth Santhosh	Student	
	Azmil Arif	Student	
	Mohammed Mahfuz Noorul	Student	
	Mohammed Hamdan	Student	
GROUP 4: MAINTAINING BIODIVERSITY, ECO-SYSTEM AND FOOD SECURITY			
11:00am - 11:20am	ANJUM HASAN	MENTOR	Delhi Private School, Sharjah, United Arab Emirates
	PRIYANKA KOHLI	MENTOR	
	Abdul Rafey	Student	
	Divyam Thakur	Student	
	Johaana Shaji	Student	
	Thanmay Mahesh	Student	
	Ayaan Zafar	Student	
10-MINUTE BREAK			
GROUP 5: THE PROGRESSING OF FOOD PRODUCTION AND AGRICULTURE IN UAE			
11:30am - 11:50am	ANJUM HASAN	MENTOR	Delhi Private School, Sharjah, United Arab Emirates
	PRIYANKA KOHLI	MENTOR	
	Munazzah Fatema Bhurwani	Student	
	Varssha Lakshmie	Student	
	Janell Monteiro	Student	
	Mannat Nirmal	Student	
	Tanishka Gaurav	Student	
GROUP 6: WATER SCARCITY			
11:50am - 12:10pm	JASEENA . J	MENTOR	The Elite English School, Dubai
	Serene Susan Monci	Student	
	Toms Alex	Student	
	Catherine Jaboy	Student	
	Mizhab.PS	Student	
	Ahal Karim	Student	

Time	Name	Designation	School/University
GROUP 7: PRECISION AGRICULTURE FOR DEVELOPMENT			
12:10pm - 12:30pm	MRS. SANGEETA GOHIL	MENTOR	New Indian Model School, Dubai
	Fiza Radwa	Student	
	Hadiya Fathima Haneefa	Student	
	Haniya Fathima Haneefa	Student	
	Marwa Khot	Student	
	Afra Naseer	Student	
10-MINUTE BREAK			
GROUP 8: SOIL REMOTE MONITORING			
12:40pm - 1:00pm	MAJIDA CHEMMALA	MENTOR	New Indian Model School Dubai
	Nithyasree Ramachandiran	Student	
	Amal Akber	Student	
	Khadeeja Aza	Student	
	Sharva Amina	Student	
	Zoya Parvez Vohra	Student	
GROUP 9: SUSTAINABLE AGRICULTURAL SOIL INTENSIFICATION MODEL SASIM			
1:00pm - 1:20pm	TITTY ABRAHAM	MENTOR	The Central School
	Shajitha Habibullah	Student	
	Kader Fathima Sheik	Student	
	Sabiha	Student	
	Aseena Fareeha	Student	
	Nafeetha Begum	Student	
GROUP 10: FLY TO SENSE			
1:20pm - 1:40pm	RENU SUNL MATHEW	MENTOR	GEMS Our Own English High School Dubai
	Cathrine Vijoy	Student	
	Gauri Pramil Menon	Student	
GROUP 11: SMART AGRICULTURAL SOLUTIONS TO CONSERVE OUR FORESTS AND BIODIVERSITY			
1:40pm - 2:00pm	ANJUM HASAN	MENTOR	Delhi Private School, Sharjah, United Arab Emirates
	PRIYANKA KOHLI	MENTOR	
	Ganisha Ajay	Student	
	Stuti Vora	Student	
	Megan Fernande	Student	
	Adya Roy	Student	
	Ayeti Sudheesh	Student	



**SESSION TITLE:
TECH-ENABLED FOOD
PRODUCTION 2**

JUDGES PANEL & MODERATOR

NAME

TITLE & DESIGNATION

Dr. Kazi Parvez Fattah

Associate Professor, Department of
Civil Engineering, American University of Sharjah
Judge

Yazen Al Kodmani

Deputy General Manager,
Emirates Bio Farm
Judge

Mai Shalaby

Curator of Emirates Soil Museum, ICBA
Moderator

PRESENTERS

Time	Name	Designation	School/University
GROUP 1: THE USE OF LIQUID NANOCCLAY TECHNOLOGY AS A METHOD TO SOLVE AGRICULTURAL CHALLENGES WITHIN THE UAE SURROUNDING SOIL INFERTILITY.			
10:00am - 10:20 am	NOEL THOMAS	MENTOR	Dubai College
	Megan Levitt	Student	
	Madilyn Allen-Paver	Student	
	Lilly Geldhof	Student	
	Janice Walder	Student	
GROUP 2: SUSTAINABLE ANIMAL FODDER PRODUCTION			
10:20am - 10:40am	DR. S. RAMACHANDRAN	MENTOR	BITS Pilani, Dubai campus
	Sandra Innesent	Student	
	Sanmugapriya Bhoopal	Student	
	Joshita Pentapati	Student	
	Neeharika Senthilkumar	Student	
	Catherine Savio	Student	

Time	Name	Designation	School/University
GROUP 3: ECOFRIENDLY NANOENHANCED SUPERFOOD			
10:40am - 11:00am	DR. ASHA MADHAVAN	MENTOR	Amity University Dubai
	Tejasvi Singh	Student	
	Swathi Sreekuttan	Student	
	Zahra Faiyaz Shekason	Student	
	Claire Mary Savio	Student	
	Gopika Syam Nair	Student	
GROUP 4: SOLAR STILL INTEGRATED WITH SOLAR WATER HEATER AND NANO-PCM FOR IRRIGATION AND SOIL SALINITY PREVENTION			
11:00am - 11:20am	DR. APURV YADAV	MENTOR	Amity University Dubai
	Malvika Satish	Student	
	Sharon Santhosh	Student	
10-MINUTE BREAK			
GROUP 5: NANOTECHNOLOGY- A TOOL TO ENHANCE THE SUSTAINABLE IMPROVEMENT OF DESERT SOIL			
11:30am - 11:50am	GEMITHA VICTOR	MENTOR	Crescent English High school
	Nandana	Student	
	Paavana	Student	
	Gopika	Student	
	Anurag	Student	
	Vansh	Student	
GROUP 6: FOOD SECURITY THROUGH NEW TECHNOLOGIES			
11:50am - 12:10pm	ANJUM HASAN	MENTOR	Delhi Private School, Sharjah, United Arab Emirates
	PRIYANKA KOHLI	MENTOR	
	Mawiyah Muneer	Student	
	Meghna Dokka	Student	
	Farah Adabiya	Student	
	Aalia Imran	Student	
	Suhani Gupte	Student	

Time	Name	Designation	School/University
GROUP 7: IRRIGATION PROBLEMS FACED BY FARMS OF UAE			
12:10pm - 12:30pm	ANJUM HASAN	MENTOR	Delhi Private School, Sharjah, United Arab Emirates
	PRIYANKA KOHLI	MENTOR	
	Ananya Venkat	Student	
	Alisha Haque	Student	
	Tushadree Dubey	Student	
	Shradha Vinodh	Student	
10-MINUTE BREAK			
GROUP 8: AUTOMATED MACROALGAE FARMS AT COASTAL REGIONS			
12:40pm - 1:00pm	DR. FAHEEM SM	MENTOR	Manipal Academy of Higher Education Dubai
	Kanisha Krishnakumar	Student	
	Mohammed H. Osman	Student	
	Craig Khan	Student	
	Juveria Tabassum	Student	
GROUP 9: INNOVATION IN AGRICULTURE: TECH-ENABLED FOOD PRODUCTION- SOIL WATER CONTENT DETECTOR			
1:00pm - 1:20pm	MS SUDHA BHATIA	MENTOR	Amity University Dubai
	Harsha Dinesh Tanwani	Student	
	Jennifer Claire Joseph	Student	
	Arthi Anbalagan	Student	
	Alia Aysha Mariam	Student	
GROUP 10: BIZRA-GROW ON			
1:20pm - 1:40pm	DR MERVAT MADI	MENTOR	Amity University Dubai
	Arnaz Nushrah Adil	Student	
	Sakina Taher Kapadia	Student	
	S.R. Rasheeda Shireen	Student	



**SESSION TITLE:
INNOVATIONS IN POST-
HARVEST VALUE
CHAINS AND
DISRUPTIVE
RETAIL**

JUDGES PANEL & MODERATOR

NAME

TITLE & DESIGNATION

Dr. Nhamo Nhamo

Senior Agronomist, ICBA
Judge

Ms. Arabella Willing

Conservation Outreach Manager,
Emirates Nature – WWF
Judge

Dr. Stephen Wilkinson

Associate Professor, Faculty of Engineering and
Information Sciences, UOWD
Moderator

PRESENTERS

Time	Name	Designation	School/University
GROUP 1: VALUE ADDED PRODUCT FROM NAPIER GRASS			
10:00am - 10:20am	DR PRAKASH KUMAR B G	MENTOR	BITS Pilani Dubai Campus
	Saad Alam	Student	
	Rigveda Janai	Student	
	Prarthanaa Sankaranarayanan	Student	
GROUP 2: EFFECTIVE AND EFFICIENT STORAGE SOLUTIONS - 'STOREX'			
10:20am - 10:40am	MEAGAN DSILVA	MENTOR	Our Own English High School, Sharjah, Boys
	Abel Makil	Student	
	Omkar Ganesh	Student	
	Mehul Antony	Student	
	Taha Shabbir	Student	
	Abhiram S. Smitha	Student	

Time	Name	Designation	School/University
GROUP 3: DAANA-AN ENVIRONMENTAL SOLUTION			
10:40am - 11:00am	DR SENTHIL VELAN SUGANANTHAM	MENTOR	Amity University Dubai
	Ramya Venkatesh	Student	
	Aysha Musthak	Student	
	Daifa Imtiyaz Wadekar	Student	
GROUP 4: ORGANIC DRIVE-THRU			
11:00am - 11:20am	SUCHITRA SINGH	MENTOR	GEMS Our Own English High School Dubai
	Malini Tarakad Seshu	Student	
	Mohammadia Ayesha Urooj	Student	
	Shreshta Arunkumar	Student	
10-MINUTE BREAK			
GROUP 5: SUSTAINABLE SWITCH: GRASS-DERIVED PLASTICS			
11:30am - 11:50am	MARIE RAMOS	MENTOR	GEMS Our Own English High School Dubai
	Divyalakshmi V.P.	Student	
	Raina Luke	Student	
GROUP 6: REINVENTING GROCERY SHOPPING EXPERIENCE			
11:50am - 12:10pm	VINOD SHUKLA	MENTOR	The Amity University Dubai
	Kamilya Bekmukhambetova	Student	
	Denise Morenas	Student	
GROUP 7: PERFECT BANANA SYSTEM			
12:10pm - 12:30pm	JUMAN GHAZI	MENTOR	Hamdan Bin Rashid Al Maktoum Center for Giftedness and Innovation
	Shahad Badr Badri	Student	
	Maryam Omar	Student	
	Raya Binhuwaiden	Student	
	Sara Ibrahim	Student	
10-MINUTE BREAK			
GROUP 8: NANOTECHNOLOGY AND PRECISION AGRICULTURE IN UAE : A DOORWAY TO 4TH AGRARIAN REVOLUTION			
12:40pm - 1:00pm	MOHAMMAD IMRAN NAJAR	MENTOR	New Indian Model School, Dubai
	Edwin Benny Varghese	Student	
	Mohammed Farhan	Student	
	Farhan Shameem	Student	
	ABDUL HAMEED YUSUF	Student	
	Mohammed Hishaam ur Rahman	Student	

Time	Name	Designation	School/University
GROUP 9: SMART FARMING			
1:00pm - 1:20pm	SUMAYA IBRAHIM	MENTOR	DMES School
	Maseerah	Student	
	Maryam Lootah	Student	
	Nada	Student	
	Amal	Student	
	Leen	Student	
GROUP 10: WASTE TO WEALTH			
1:20pm - 1:40pm	PROF. DR. DJ. SHARIFF	MENTOR	BITS Pilani, Dubai Campus
	KIRMI H JOSHI	Student	
	Anam Zafar Kazi	Student	
	GURUSSHITHA SUBRAMANIAN	Student	
GROUP 11: SMART AGRICULTURAL PRODUCTION SYSTEM COUPLED WITH SOLAR POWERED COMPOSTER			
1:40pm - 2:00pm	MUNAWWAR KHAN	MENTOR	Zayed University, Dubai
	Aisha Hassan Mohamed	Student	



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