



Short Course in Astronomy and Space Science | ECOAI-SHC220 -5 | India

COURSE TYPE: Short Certificate | **MODE:** Online/ Distance learning | **COURSE HOURS:** 40

DURATION: 3 Months/ Each Sunday 6.30pm to 8.30pm [IST]

START: 2nd of February 2025 | **Application DEADLINE:** 30th of January 2025

INFORMATION SHEET: Download now

Contact info: +919970868599 | +94774526520 | +919940150764 |
Info@ecoastronomy.edu.lk | hr.ecoastronomy@gmail.com

The Short Certificate Course in Amateur Astronomy and Space Science is being introduced through the Eco Astronomy Inc- International Hub as a step towards providing awareness and outreach of astronomy and space science in South Asia.

Content and the syllabus of the Short Certificate Course in Amateur Astronomy and Space Science.

- 1. Archeoastronomy and applications of ancient technology.*
- 2. Multidisciplinary type industrial applications of Astronomy and Space Science.*
- 3. Observational Astronomy and Astrophotography Part 01- Part 02*
- 4. Star Born and Nuclear Fusion, Fundamentals of Geology.*
- 5. Formation of Earth, Astrobiology and Planetary Geology*
- 6. Biotechnology Beyond Earth: Innovations for Space Exploration Part 01- Part 02*
- 7. Introduction to identification of meteorites, minerals and rock.*
- 8. Astro -ecology and observing earth via space.*



Entry Requirements

Any Indian students between the ages of 8 and 20 can apply for this short certificate course. Please be aware that we will only select the first 50 registrants.

Course Fee | [Included -Registration fee. Tuition Fee, Examination Fee, Certification fee]

Full course Payment: 90 USD Only

Option 01 - One time Pay: The course fee is **90 USD** Only.

Option 02 - If you are unable to pay the full payment, please proceed with the installment method. Possible to be paid in 2 stages. [You can start the course after you finalize the first installment; the first stage fees will be 50 USD \[before 30th of January 2025\]](#) and the second stage fees will be **50 USD** [before 20th of March 2025]. [*Notice: Paying the full payment, you have a 10% discount. The discount is not acceptable while you are selecting the option 02 installment method. We accept Visa and MasterCard for secure online transactions]

After you complete the registrations, you will receive a confirmation email from info@ecoastronomy.edu.lk

Please Visit for more Information and Online Registration

Payment | Transaction

Deadline: 30th of January 2025

Information

Contact info: +919970868599 | +94774526520 | +919940150764 | +94114216868 |
Info@ecoastronomy.edu.lk | hr.ecoastronomy@gmail.com



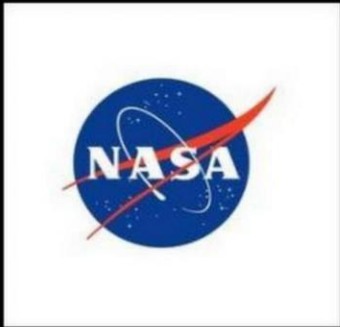


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Research Activities**



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SPACE HERO



NASA
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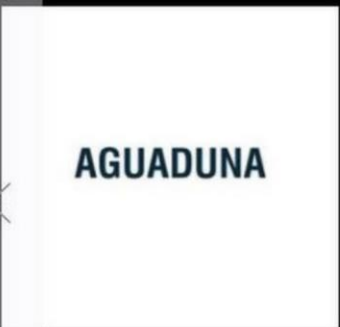
Japan Aerospace Exploration Agency
Japan



International Space University
France



Space Generation Advisory Council
Austria



Kei Cities
Spain



Zero 2 Infinity
Spain



Eco Astronomy Sri Lanka
Sri Lanka



Space Watch Global
Switzerland



National Space Academy
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Astronautin GmbH
Germany



New Zealand Space Agency
New Zealand



Space Foundation
United States

PARTNERS



TAKING



OCTOBER 14 - 17 - 2021

THE

THE 24TH ANNUAL INTERNATIONAL MARS SOCIETY CONVENTION

AN ONLINE VIRTUAL EVENT POWERED BY ATTENDIFY

Space Archaeology in Mars: Anthropological aspect of Humans as a Multiplanetary Species in 2050



Eng. Majda Aouititen



Dr. Siddharth Pandey

www.MarsSociety.org

Eco Astronomy's Another Step to Take Sri Lanka into Industrial Astronomy and Space Applications.



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Kenya Space Society
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LearnSpace Foundation
Nigeria



LIA Aerospace
Argentina



Habitat Marte
Brazil



Hayes Group
USA



Helight
USA



Helium Learning Labs
India



Humbitec
Angola



INNOIGNITE
Liberia

ANALOGIES LOCATIONS OF MARS - Gusev Crater, Meridiani Planum, Noachian terrains, Juventae Chasma.

GRAIN DIAMETER - 0.002- 1mm **ADDITIONAL ELEMENTS** -Ni, Zn, Sr, Co

SOIL MOOD: Ultra Superfine **RADIOACTIVE:** Nil



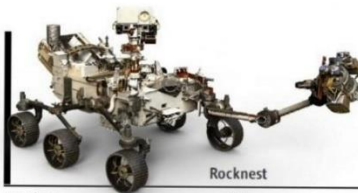
Artificial RM 01 | Artificial RM 02



Artificial Regolith of Mars | J- Collection



CHEMICAL PROPERTIES



MARS

	Rocknest	Gusev	Meridiani
Number	1*	48†	29‡
SiO ₂ (wt %)	42.88 ± 0.47	46.1 ± 0.9	45.7 ± 1.3
TiO ₂	1.19 ± 0.03	0.88 ± 0.19	1.03 ± 0.12
Al ₂ O ₃	9.43 ± 0.14	10.19 ± 0.69	9.25 ± 0.50
Cr ₂ O ₃	0.49 ± 0.02	0.33 ± 0.07	0.41 ± 0.06
Fe ₂ O ₃ + FeO	19.19 ± 0.12	16.3 ± 1.1	18.8 ± 1.2
MnO	0.41 ± 0.01	0.32 ± 0.03	0.37 ± 0.02
MgO	8.69 ± 0.14	8.67 ± 0.60	7.38 ± 0.29
CaO	7.28 ± 0.07	6.30 ± 0.29	6.93 ± 0.32
Na ₂ O	2.72 ± 0.10	3.01 ± 0.30	2.21 ± 0.18
K ₂ O	0.49 ± 0.01	0.44 ± 0.07	0.48 ± 0.05
P ₂ O ₅	0.94 ± 0.03	0.91 ± 0.31	0.84 ± 0.06
SO ₃	5.45 ± 0.10	5.78 ± 1.25	5.83 ± 1.04
Cl	0.69 ± 0.02	0.70 ± 0.16	0.65 ± 0.09
Sum (wt %)	99.85	99.88	99.88

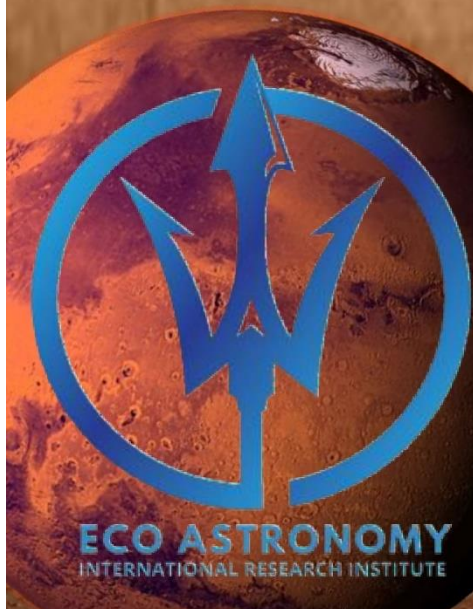
ARTIFICIAL REGOLITH OF MARS

J- COLLECTION SIMULANT BY ECO ASTRONOMY

Artificial Soil Simulant | Calibration to Rocknest 1*

SiO ₂ (wt %)	42.88 ± 1.5
TiO ₂	1.19 ± 0.5
Al ₂ O ₃	9.43 ± 1.5
Cr ₂ O ₃	1.19 ± 0.5
Fe ₂ O ₃ + Feo	19.19 ± 1.5
MnO	0.41 ± 0.4
MgO	8.69 ± 1.5
CaO	7.28 ± 1.5
Na ₂ O	2.72 ± 1.5
K ₂ O	0.49 ± 0.2
P ₂ O ₅	0.94 ± 0.5
SO ₃	5.45 ± 1.5
Cl	0.69 ± 0.5

Basaltic soil compositions from APXS analyses for Rocknest Portage, Gusev Crater, and Meridiani Planum on MARS | XRF data - Artificial Regolith of Mars | J- Collection Simulant- Eco Astronomy | Sri Lanka





Director academic at [Eco Astronomy Inc.](#), Eng. [Majda Aouititen](#) has cooperated with "YOUTH OLYMPIC" Beijing City Youth Online Dialogue at China. She is the first scientist in the Eco Astronomy Global Network that represents the preliminary discussion event of the YOUTH OLYMPIC in China.

SCIENTISTS WITH ECO ASTRONOMY NETWORK

Executive Portal of Eco Astronomy Network



Eng. Majda Aouititen
Astro Ecologist

Director Academic- Eco Astronomy Sri Lanka.

Beijing Forestry University School of Ecology and
Nature Conservation, Beijing, China.



A.R.Sumanarathna
Astrobiologist

CEO. Eco Astronomy Inc

South Asian Astrobiology & Earth Science Research
Hub



Prof. Dr. Richard B. Hoover

NASA/MSFC EMERITUS –
DOCENT/ASTROBIOLOGIST

UNITED STATES SPACE AND ROCKET CENTER
Chief Astrobiology Advisor Eco Astronomy Research
Hub.



Mr. Akash Anandh
Senior Astrophotographer

Education Executive -South Asian Sector- India

South Asian Astrobiology & Earth Science Research
Hub- Eco Astronomy Sri Lanka



Mr. Bernie Taylor
Senior Archeoastronomer

Education Executive – International Sector- USA

South Asian Astrobiology & Earth Science Research
Hub- Eco Astronomy Sri Lanka

Visiting Guest Scientists



Dr. Eleonore Poli

Analogue astronaut and crew commander at Space at your Service
Postdoctoral Researcher at CSEM.



Adj Prof. Jonathan Clarke

Amity Center of Excellence in Astrobiology
President Mars Society Australia



Mrs. Anastasia Stepanova

Analogue astronaut
Former Engineer at Institute of Biomedical Problems of RAS



Mr. Jonathan Nalder

Chief Futures Officer at STEM Punks
Ambassador of Mars Society



Mrs. Laura Borella

PhD Scholer at ULB – Université libre de Bruxelles



Prof. Abdelouahed Lagnaoui

Senior Paleontologist

EDR Trace analysis program of Mars
EcoAstronomy Inc

North African Sector – Morocco
Université Hassan I – Settat – Morocco



Dr. Jason Kennedy

Senior Scientist in Digital Design

Pleistocene of Sri Lanka- Digital reconstruction program – Eco Astronomy Inc

Senior Lecturer (Digital Design) | Curriculum Leader |
Animation Pathway Leader Auckland University of
Technology. New Zealand.



THE MARS SOCIETY

30 (+) Mars Society Ambassadors Leading the Way in Space Advocacy



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DEAN ARVIDSON



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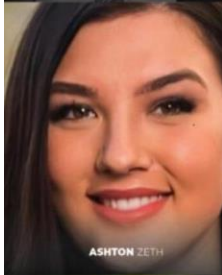
JAMES MELTON



DONNA ROBERTS



CONOR MCGIBONEY



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BILL CARTON



FRANK MORENO



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DEREK FLICKINGER



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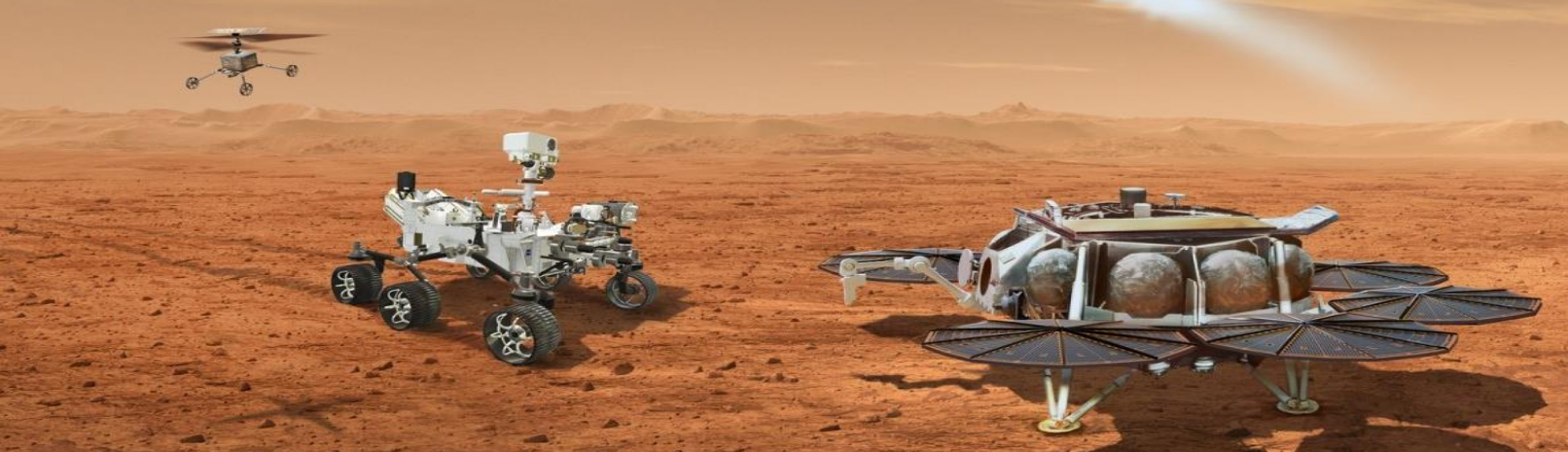
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Start: 2nd of February 2025 | BATCH 05
More information: +919940150764 | +94774526520



GUEST SCIENTISTS



Eng. Majda Aouititen



Mr. Akash Anandh



Dr. Bernie Taylor



Mr. Jonathan Nalder



Dr. Latika Shendre

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Please Visit for more Information and Online Registration

<http://ecoastronomy.edu.lk/course>



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