

**UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION**

**International Co-ordinating Council of the Man and the Biosphere (MAB) Programme**

Thirty-fourth session

Paris, UNESCO Headquarters, Room II

**13 – 17 June 2022**

**ITEM 12 OF THE PROVISIONAL AGENDA: MAB YOUNG SCIENTISTS AWARDS SCHEME**

**Selection of MAB Young Scientists Awards (MAB YSA)**

1. The MAB Secretariat through the respective MAB National Committees and National Commissions for UNESCO received forty-three (43) eligible applications from twenty-nine (29) countries (Annex 1), seventeen (17) of the applicants were women.
2. In accordance with the revised criteria and conditions for the MAB Young Scientist Awards (MAB YSA) approved by the 29<sup>th</sup> session of MAB-ICC the Bureau of the MAB Council will review the applications received and select the seven (7) winners of the 2022 MAB Young Scientists Awards funded by UNESCO.
3. The MAB Council is invited to consider endorsing the seven award winners as selected by the Bureau of the ICC.

## ANNEX 1: List of Eligible Applicants for the 2022 MAB Young Scientists Awards

	Country	Region	Candidate		Gender	Title of study
1	ARGENTINA	LAC	PEREZ GARCIA	Macarena	F	Assessing the impact of ocean acidification on the early life stages of <i>Neohelice granulata</i> , a key species in the Biosphere Reserve " <b>Mar Chiquito Atlantic Park</b> " (Buenos Aires, Argentina)
2	BANGLADESH	ASPAC	AKTER	Simu	F	Identification of sustainable mitigation measures for controlling increasing salinity in the coastal ecosystem of the <b>Lower Bengal Delta</b> of Bangladesh
3	BENIN	AFR	KIKI	Sénakpon Cyrille	M	Contribution de la cartographie à la valorisation des potentialités écotouristiques dans la Réserve de biosphère de la <b>Basse Vallée de l'Ouémé</b>
4		AFR	HOUNKPE	Immaculée Agossi	F	Evaluation des services écosystémiques dans la Réserve de biosphère de la <b>Basse Vallée de l'Ouémé</b> (RB-BVO)) pour l'outil PA-BAT+
5	BOSNIA H.	ENA	CURIC	Ana	F	Habitat restoration for key biodiversity in situ conservation and Cardak area protection - <b>no BR</b>
6	CABO VERDE	AFR	FERNANDES PEREIRA ESSOH	Anyse Sofia	F	<b>Fogo's</b> grape's pomace: a source of bioactive compounds for food, pharmaceutical and cosmetics industries
7	CAMEROON	AFR	BAKELEKI BOHIN	Jean Marie	M	Communication visuelle et intégrée du Parc national de <b>Lobéké</b> , Cameroun
8		AFR	MENDJANA EBOKO	Jean Lionel	M	Renforcement de la biodiversité dans la Réserve du <b>Dja</b> , Cameroun
9	CHINA	ASPAC	DAN	Liang	M	Conserving montane biodiversity in the era of land use change at Hengduan Mountains in China - <b>Gaoligong BR</b>
10		ASPAC	LI	Binbin	F	Sustainable livestock grazing system in biosphere reserves to balance wildlife conservation and local community development under one health framework - <b>Baishuijiang BR</b>

11	COTE D'IVOIRE	AFR	DIGBEU	Hermann Eleazar Okou	M	Etude comparative de l'efficacité de trois outils d'évaluation de l'abondance et du suivi des populations et des menaces de l'hippopotame pygmée <i>Choeropsis liberiensis</i> (Morton, 1849), dans la Réserve de biosphère de <b>Taï</b> en Côte d'Ivoire
12		AFR	KOUADIO	Allou Yao Dimitri	M	Influence de la phénologie des espèces végétales dans la distribution des éléphants de forêt ( <i>Loxodonta cyclotis</i> Roca et al., (2001)) dans la Réserve de biosphère de TaPi, Sud-Ouest de la Côte d'Ivoire
13	CUBA	LAC	ALVAREZ	Flavia	F	Ecosystem-based adaptation for the resilient management of the serices provided by coastal ecosystems in <b>Baconao</b> Biosphere Reserve
14	ETHIOPIA	AFR	LEMA	Sewnet Tesfaye	M	Perceptions of key stakeholders towards the challenges and opportunities of sustainable tourism development at Biosphere Reserves: Evidence from <b>Lake Tana</b> Biosphere Reserve in Ethiopia
15	GHANA	AFR	DJANGMA	Raymond	M	Community collaboration in Restoring the ecological functions of <b>Lake Bosomtwe's</b> tributaries
16		AFR	NKETIAH	Rachel Yeboah	F	Distribution, threats, ecology, and conservation action for <i>Guibourtia ehie</i> (Anokye-Hyedua) in <b>Bia</b> Biosphere Reserve of Ghana
17	INDONESIA	ASPAC	NURHAYAT	Oktan Dwi	M	Bioprospecting of Ligninolytic Fungi from <b>Belambangan</b> Biosphere Reserve for Antibiotics Removal from Water and Wastewater: Prevention of antibiotic resistance bacteria and human health impacts
18		ASPAC	PUTRA	Agus Budiawan Naro	M	Strengthening bioeconomy-biodiversity nexus in Indonesia: molecular identification and pharmacological screening of anti-cancer and anti-microbial activities of bryophytes (mosses and liverworts) obtained from <b>Cibodas</b> Biosphere Reserve

19	IRAN	ASP	DANESH-YAZDI	Mohammad	M	Quantifying the role of anthropogenic stressors of water quantity and quality in the <b>Miankaleh Peninsula and Gorgan Bay</b> Biosphere Reserve using remote sensing and In-situ data
20		ASP	DEGHANI POUR TAL GERDOOEI	Milad	M	Developing a drone-assisted advanced community monitoring system to guide forest management and conservation in the <b>Hara</b> Biosphere Reserve
21	ITALY	ENA	DE DONATO	Carlo	M	Ecological and economic relevance of the protected areas in the UNESCO MAB Reserves: a case study in the MAB Reserve " <b>Sila</b> Biosphere Reserve" Calabria, Italy
22	KENYA	AFR	ALLELA	Abbie	F	CRISPR Cas9 genome editing as a tool to harness and increase carbon sequestration by the Grey mangrove <i>Avicennia marina</i> (Forsk.) Vierh. In Mida Creek, <b>Malindi-Watamu</b> , Kenya
23	LATVIA	ENA	MEZGAILE	Anda	F	Economic assessment of cultural ecosystem services in biosphere reserves. Case: <b>North Vidzeme</b> Biosphere Reserve, Latvia
24	MALI	AFR	KEITA	Cheickna	M	Impacts de la COVID-19 et de la crise sécuritaire (attaques terroristes et Djihadistes) dans la <b>Reserve de Biosphere de la Baoulé</b> RBBB
25	NAMIBIA	AFR	PIUS	Elizabeth	F	Assessment of the carbon pool at ProNamib Nature Reserve
26		AFR	MBEHA	Sitali Lucky	M	Developing a human-carnivore conflict monitoring framework in Mudumu South Complex, Namibia
27	NIGER	AFR	ADAMOU MAIDANDA	Ismael	M	Habitats favorables à la conservation de la Gazelle dama (Nanger dama) dans la Réserve de biosphère de <b>Gadabedji</b> au Niger: implications pour la translocation de l'espèce
28	NIGERIA	AFR	ADEYELE	Opeyemi	F	Assessment of household energy choices and fuelwood consumption in relation to environmental implication on forest ecosystem in <b>Omo</b> Biosphere Reserve, Nigeria

29		AFR	AGUNDELE	Olusegun Michael	M	Application of indigenous and local knowledge (ILK) systems on climate change mitigation and adaptation measures in <b>Okwangwo</b> Biosphere Reserve Forest Communities
30	OMAN	ARB	DUTTA	Sachinandan	M	Climate adaptive fisheries management plan of Oman
31	PDR KOREA	ASPAC	KUM CHOL	Ho	M	Evaluation of habitat quality and its dynamics in <b>Mt Kumgang</b> Biosphere Reserve
32		ASPAC	JUN	Sok	M	Establishment of the tourism management supporting system for the <b>Mt Paektu</b> area in DPR Korea
33	PHILIPPINES	ASPAC	DAGAMAC	Nikki Heherson	M	Habitat suitability modeling of Tamaraw ( <i>Bubalus mindorensis</i> ), an endangered endemic bovine in <b>Puerto Galera</b> Biosphere Reserve, Mindoro Philippines
34	RUSSIA	ENA	OGURTSOV	Sergey	M	Brown bear ecological niche model as the basis for sustainable coexistence of human and large carnivore relevance - <b>Tsentralnolesnoy BR</b>
35		ENA	KIRILYUK	Anastasia	F	Sustainable coexistence of livestock, wild ungulates and wolf in the <b>Daursky State Nature</b> Biosphere Reserve
36	SENEGAL	AFR	FALL	Kode	M	L'impact des plantes invasives ( <i>Mimosas pigra</i> et <i>Mitragyna inermis</i> ) dans les mares du parc national du <b>Niokolo Koba</b> aux antilopes dépendantes à l'eau
37		AFR	BA	Mariétou	F	Richesse spécifique aviaires des écosystèmes côtiers marins et mode d'utilisation au sud est de Dakar : cas de Joal fadiouth (article en cours de rédaction) - RB du <b>Delta du saloum</b>
38	SOUTH AFRICA	AFR	DE VILLIERS	Hannah	F	Factors affecting large mammal utilization of culvert under a railway within the <b>Greater Kruger National Park</b>
39		AFR	MATSHUSA	Khodani	M	Assessing the potential for Geotourism at the <b>Magaliesberg</b> Biosphere Reserve and Cradle of Humankind World Heritage Site - Transdisciplinary research as a

						Pathway to Social Sustainability
40	SYRIA	ARB	HUSEIN	Tamam	M	Reducing the gaseous emissions that lead to increased global warming through salt filtration plants ...
41		ARB	TABBAKH	Hadeel	F	Methods of treating some elements of the Biosphere (Water bodies and soil) from oil pollution to maintain sustainable development and tourism
42	THAILAND	ASPAC	KAEWTONGKUM	Nithina	F	Undiscovered ecological data and conservation promoting programme of Angulated Bow-fingered Gecko ( <i>Cyrtodactylus Angularis</i> ), a Thai endemic species, in <b>Sakaerat Biosphere Reserve</b>
43	UZBEKISTAN	ASPAC	RAKHIMOV	Mukhammadtuychi	M	Hover flies (Diptera, Syrphidae) of biosphere reserves of Uzbekistan - <b>Mount Chatkal and Lower Amudary State BR</b>

Eligible candidatures

**29 Countries**

13 AFR  
2 ARB  
8 ASPAC  
4 ENA  
2 LAC

**43 Candidates**

17 Women  
26 Men