

Curriculum vitae



Professional summary

Dr. Walaa is a pediatrician consultant by educations and qualifications, her major is pediatrics medicine and subspecialty are immunology and nutrition. Moreover, by affiliation and her work experiences, 22 years at biological anthropology department, NRC, her research areas related to health problem affect all age groups.

She believes that open science is very crucial and must be important to open to globe and making international collaboration worldwide

Personal information

Name:	Mahmoud (last), Walaa (first)
Place of birth:	EGYPT
Date of birth:	16/11/1978
Nationality:	Egyptian
Marital status:	Married
Address:	Address: <i>National research center</i> <i>NRC</i> <i>33 El Buhouth St ‘Ad Doqi, Dokki ‘</i> <i>Cairo Governorate- Postal code: 12622</i>
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EDUCATION

1996 – 2003	Bachelor of medicine and surgery <i>Faculty of Medicine Cairo University –Egypt</i>
2005 -2011	Master’s degree of pediatrics (MSc.) (Immunology &rheumatology) <i>Faculty of Medicine Cairo University – Egypt</i>
2013 -2018	Philosophy Doctoral degree (PhD) Postgraduate childhood studies faculty Ain Shams University, Egypt.
Academic year (2020- 2021)	MSC7000Y Regenerative Medicine graduate Course (2020/2021) University of Toronto, Institute of Medical Science, Toronto, Canada.
January 2022	Immune modulation certificate IMcert diploma, under fund of Erasmus + capacity building program diploma, hosted by Al Azhar university – Egypt.
February - November, 2023	Clinical pharmaceutical drug development, center for pharmaceutical medicine research, king’s college, London, England, in collaboration with British council, Egypt.

Employment History

2003- 2004	House officer doctor at Cairo university hospitals, Al kaser El Ainihospital, Cairo.
2004- 2005	Resident doctor at Abo Elrish Kids Hospital, faculty of medicine Cairo university.
2004- 2007	Start my work at national research Centre, institute of medical research and clinical studies, as Specialist pediatrics medicine, biological anthropology department, NRC
2008 – 2011	Researcher assistant at Biological Anthropology department, NRC
2011- Jan. 2019	Assistant researcher (Assis. lecturer) at Biological Anthropology department, NRC
Jan. 2019 – present	Researcher (Lecturer), Biological Anthropology department, NRC Pediatrician consultant (immunology and nutrition)
2017- 2022	The Responsible of the quality of occupationalhealth and safety ISO in the department
2020-2021	Member at the scientific committee medicalresearch division NRC
2017- present	Member of quality audit team work-in Medical Research Division, NRC
April 2021 – December 2021	CO-Chair of preservation of science taskteam- SiE International initiative WAS
April 2022 – 2023	Visiting researcher faculty of biotechnology- SNU- INDIA, under TWAS fellowship
August 2024 (4 weeks)	Visiting postdoctoral visiting doctor – FWU- JAPAN under JSPS BRIDGE fellowship

Training courses and certifications

4/1/2011 - 12/1/2012	Echocardiography U/S training
25/4/2012 - 3/5/2012	ITP course - AMIDEST, Cairo, Egypt
9-11 Feb. 2016	“The course of the communication skills for researcher with four modules”, Newton-Mosharfa fund in collaboration with the Britishcouncil in Cairo
8 - 9 August 2016	“Career success summer camp”, American university AUC, Egypt
23- 24 April 2017	“Clinical key course” , National Health Institute, Egypt
15/3/2017 - 29/4/2017	“Introduction to Intellectual property“DL Course, World intellectual property organization WIPO academy –Geneva
30 October 2017	“Introduction to patent cooperation treaty” DL course, World intellectual property organization WIPO academy – Geneva
25 February - 4 March 2017	“9th HOPE meeting with Nobel laureates” JSPS, Tokyo – Japan
26 February 2017	“Nobel prize dialogue- The future of Artificial Intelligence”, Tokyo – Japan
8-9 October 2017	“Using statistical analysis in academic research (sciences)”

	under knowledge E & Egyptian knowledge bank, national training institute, Egypt
February- March 2018	“Quality management course” Internal audit ISO 9001:2015 ISO 45001, ISO 14001 National Quality Institution, Egypt
June 2019	“Professional leadership diploma”, International leadership Centre, Egypt
18 - 22 November 2019	“Principles and practice of epidemiology, public health surveillance, outbreak investigation and response “, Indian council of medical research ICMR –National Institute of Epidemiology NIE, Chennai, INDIA
Academic year, 2019	Diploma in International and Regional Arab Women Leadership, The Scientific Professions Union, Egypt.
Academic, 2020	Professional Diploma in” diplomatic and consular relations and international cooperation “The Scientific Professions Union, Egypt
22 - 28 JUNE 2020	Science Leadership, science academy, central university of Punjab, Bathinda, India, online
3 June, 2020	How to conduct evidence-based research, Researcher Academy, online.
3 June, 2020	Successful research grant applications – getting it right, Researcher Academy, online
31 August - 4 September 2020	Online introductory course in molecular and Biotechnology course, Sister Nivedita University SNU, India
21 – 24 September 2020	2020 AAAS – TWAS Science diplomacy course (The American Association for the Advancement of Science (AAAS), Washington, DC, USA, and The World Academy of Sciences (TWAS)
02 November, 2020	Does your institution contribute research towards attaining the UN Sustainable Development Goals (SDGs)? (Researcher Academy, Elsevier)

9 November 2020	Peer-review Like Professionals: (1) Professional co-authors peer-review (CABI &EKB)
11-12 November 2020	International Training Workshop on "Capacity Building in Developing Countries in the Management of Intellectual Property Rights (IPR) and Geographical Indications (GI)" organized by NAM S&T Centre, New Delhi, India & ASRT Egypt
16 November 2020	Peer-review Like Professionals: (2) Professional post-submission peer- review
20- 25 December 2020	Lead auditor course for ISO 9001:2015 by (certified lead auditor IRCA)
18 January 2021	Professional Scientific Experiments: (3) Smart Data Analysis and Visualization (CABI &EKB)
5 April- 5 August 2021	Science communication programmed, North Carolina State University & knowledge E.
10 Sep. 2020 - 15 April 2021	MSC7000Y Regenerative Medicine graduate Course (2020/2021) University of Toronto, Institute of Medical Science, Canada (online).
28 March- 1 April 2021	Certified Digital citizen course, national training academy, Joly academy UK (online).
31 December 2022	Immunomodulation IMT certified diploma, Erasmus funded, European union
30 October - 10 November 2023	e-ITEC program for international participants, "digital teaching and learning technology", ITEC, supported by ministry of education, Indian embassy in Cairo, Egypt.

Reserch projects (international and internationals)

- Principal investigator of PI “ **Artificial intellegince and its application for breast cancer patients treatment Compliance**” NRC funded National need project, August 2023- august 2025.
- CO-PI of “**the Breast cancer project and gut microbiome, based on its metabolites, women anthropometry, and diet and probiotics intake**” NRC is the Funding organization, November 2019 – 2022, project ID: 12060154.
- National Research Project, project ID: 12060144, Title “**gut microbiome in obesity and metabolic syndrome among obese women**” (2019-2022)
- International project title is” **Community outreach approach for havinga model of a village controlled from diabetes with improved quality of life: El Ibrahimia El Qebliia village- Damiatta governorate- Egypt**” Funding organization is Australian Embassy Cairo 2017- 2018.
- International project title is “**A community based nutritional behavioralintervention for Healthy kids: towards an exemplary model village Private sector partner: Nestle- Egypt, Sanofi, ABB Government partner: Ministry of Social Solidarity, Ministry of Health and population, Scientific and implementing partner: The National Research Center of Egypt 2017-2019**
- National project title “**National Prevalence Survey for Autism SpectrumDisorders (ASDs): Assessing its Epidemiological Pattern and Risk Factors (environmental heavy metals - Microbiota)** publications on reviewing process. 2017- 2021

- **“Effect of fasting on metabolic control and quality of life of adolescent phenylketonuria (PKU) patient’s project national project (2021).**
- **Many other national projects, concerning improving public health and NCDs, since 2005.**

Peer- reviewed publications

1. **Walaa Saad** ,Hanan A. El Gamal, Sahar A. El-Masry , Muhammad Al- Tohamy , Ayman Nada , Amany Ebrahim.”Carotid Intima-Media Thicknessin visceral obese Egyptian female adolescents with adenovirus 36 infection”. **Childhood studies journal.2018**
2. Sahar A. El-Masry , Hanan A. El Gamal , Muhammad Al-Tohamy, Ayman Nada, Amany H. Abdelrahman, Mohamed Kh. Metkees , Amany Ebrahim, Walaa Saad. “Infect Obesity in Egyptian Adolescent Females and Its Relations to Carotid Intima-Media Thickness” **J Arab Soc Med Res 2018.**
3. Sahar El-Masry, Muhamed Al Tohamy, Walaa Saad; Biological anthropology department, medical research division, NRC “Adenovirus 36 in relation to visceral obesity and atherosclerosis “BOOK– **November 2019, ISBN: 978-613-7-34572- 6, publisher: LAP LAMBERT ACADEMIC PUBLISHING**
4. Metwally AM, Shaaban FA, Mahmoud WS, Salah EM, El-Sonbaty MM, Hussien HA, Hamid NA, El Etreby LA, Hassanin A, Monir ZM. Vulnerability and Weaknesses of Eating Habits of Overweight School Children as an Entry Risk for COVID-19. Open Access Maced J Med Sci. 2020 Aug 30; 8(T1):158-166.
5. Metwally AM, Amer HA, Salama HI, Abd El Hady SI, Alam RR, Aboulghate A, Mohamed HA, Badran HM, Saadallah AA, El-Sonbaty MM, Eltahlawy E, Saad W, Mohsen A, Abdel-Latif GA, Fathy AM, Hassanain AI, Eldali A. Egyptian patients'/guardians' experiences and perception about clinical informed consent and its purpose: Cross sectional study. PLoS One. 2021 Jun

14;16(6):e0252996

6. **Mahmoud, W.S.**, Azmy, O.M., Abu-Elghait, M. *et al.* Metabolic syndrome as independent risk factor among sample of Egyptian women with breast cancer. *Bull Natl Res Cent* **46**, 272 (2022). <https://doi.org/10.1186/s42269-022-00962-2>
7. Azmy, Osama & Shebini, SalwaM & Ahmed, NihadH & Abu-Elghait, Mohammed & Gomaa, MohammedM.M. & Yousef, Walaa & Hammad, DoaaY & Kamel, MahmoudM & Abu-Elkhair, AsmaaG & **Mahmoud, WalaaS.** (2022). Mediterranean diet, BMI, healthy lifestyle, and social factors among a sample of Egyptian women with breast cancer. *Journal of The Arab Society for Medical Research*. 17. 193. 10.4103/jasmr.jasmr_23_22.
8. Ammal M. Metwally, Walaa Basha, Ghada A. Abdel-Latif, **Walaa S.Mahmoud**, "Improving breastfeeding practices and infants' growth through promoting "feeding your baby like a baby" using a promising social marketing approach", *Journal of Health, Population and Nutrition*, Ref: Submission ID dcacd90a-1b96-4fa8-9128-a33d56db9f4c (**under review, 2023**)
9. Osama Azmy^{1,2}, Salwa M. El Shebini³, Nihad H Ahmed⁴, Mohammed Abu- Elghait^{5*}, Mohammed Mohammed Mohammed Gomaa⁶, Amira A. Goda⁷, Mohammed I. Mostafa⁸, Walaa Yousef⁹, Walaa A. Basha⁹, Ibrahim El Tantawy ElSayed¹⁰, Mahmoud M. Kamel^{11,12}, Eslam M. Abdelqader¹³, **Walaa S. Mahmoud⁹**, "Assessment of Macronutrients dietary intake, central adiposity among pre- and postmenopausal Egyptian women with benign and malignant breast tumors" *CLNESP*, Volume 55, June 2023, Pages 157-166
10. "The odds of having obesity in Egyptian children with Autism spectrum disorders is higher than stunting compared to healthy developing peers: A national survey", submitted to **BMC Pediatrics**, April 2024, **under review**.
11. "A cross-sectional study highlights a Link between vitamins intake and breast cancer in a sample of Egyptian Women" submitted to **BMC women health's** Jan. 2024, **under review**
12. "Impact of Breast Milk Microbiota on the Neonatal Intestinal

Microbiota according to Delivery type and Circumstance” submitted to Egyptian Journal of chemistry, 2024, under review.

International Conferences

- Speaker at the 9th HOPE MEETING WITH NOBEL LAURATE 2017 JAPAN Tokyo. 24 Feb.- 3 March 2017
- The international conference HUBOLT KOLLEG , JSPS – AVH ALUMNI JOINT CONFERENCE "Science and science management for sustainable development" October 24 - 26, 2017
- 6th Students' Research & Innovations Conference, Faculty of Science - Alexandria University - 12 - 13 April 2017
- Speaker at the “Plant Microbiome International Forum”, El Hurgada, South Sinai, Red Sea, Egypt, December 2018.
- Speaker at The “3rd international conference of Women in science networks”, “world forum of women in science”, 10-14 March 2019, Cairo BUE.
- Speaker at /and coordinator of The Euro- Mediterranean association of life in sciences, the 6th international Euro-Mediterranean conference and expo 1-2 April 2019 CAIRO UNIVERSITY.
- GERMAN- AFRICAN STRATEGIES: A partnership for better health education and development 12-14 April 2019 GUC Cairo.
- Speaker at The “11th international symposium for future technology creating better human health and society”, 21- 22 January 2020 Okayama University – Japan.
- Speaker at the WORLD FORUM FOR WOMEN IN

SCIENCE | BRAZIL 2020 |4th International Conference for Women in Science without Borders:Energy, Water, Health, Agriculture and Environment for Sustainable Development, 12- 14 February 2020, RIO DE JANERIO, BRAZIL.

- Coordinate and moderate the” 1ST INTERNATIONAL JSPS WEBINAR“COVID-19 &SDG: RULE OF SCIENCE AND HEALTH CHALLENGE”,9 - 13 AUGUST 2020, CAIRO EGYPT,
- Speaker at the “YOUTH SCIENCE FORUM”, 14 - 16 January 2021, National Research Centre, Egypt.
- International webinar on “Activities of Japan Science & Technology Agency in India and Sakura Science Program” held online on 06 February 2021, organized by Indian National Young Academy of Science (INYAS) Delhi-NCR Chapter, India.
- Coordinate and moderate the "The Annual meeting of JSPS Alumni Association Egypt (JSPS AAE)” & "The 2nd International JSPS Webinars: Preparedness for the next COVID-19 Wave Multidisciplinary Impacts: Health, Education and Environment", 13 February 2021, Cairo, EGYPT
- The American Association for the Advancement of Science (AAAS) annual meeting “Understanding dynamic ecosystems”, online 8-11 February 2021.
- The 12th international symposium for future technology creating better human health and society: future technology under SDGs, held
online 16 March 2021, organized by the graduate school of interdisciplinary science and engineering in health systems, Okayama university, Japan
- The 4th international symposium of JSPS alumni association Indonesia “impact of COVID-19 on the human life and environment” held online on 18 March 2021, Indonesia.
- Speaker at the “Science Diplomacy community flash talks”

S4D4C Final Networking Meeting, European Union Science Diplomacy Alliance, 15- 19 March 2021 online.

- Coordinate and moderate the 1st international science diplomacy awareness workshop” held online 20- 22 March 2021, organized by the international initiative “scientists for science diplomacy” in collaboration with JSPS Cairo office &NRC.
- The 7th international symposium of JSPS alumni association USA – CANADA 2022, NOVEMBER.
- Best research paper, presented in the AASD international diabetes and metabolism, Cairo 2022.
- Breast cancer awareness symposium, NRC, 2022

International fellowship

- **Egyptian JSPS Alumni association membership JSPS HOPE meeting fellow, JAPAN**
- **ICMR- NIE/ AU-STRC fellow, INDIA**
- **2020 AAAS-TWAS Science diplomacy course alumnus**
- **TWAS Fellowship for research and advanced training, Kolkata, India.**
- **The Indian Technical and Economic Cooperation Program ITEC Fellow, INDIA**
- **JSPS BRIDGE invitational Fellowship, FUKOKA, JAPAN.**

Teaching experience and supervision

- International teaching experiences, teaching for undergraduate students level 2 and 4 school of biotechnology (Human biology subject), SNU, India.
- International teaching experiences, FWU, Fukouka, Japan, EAT international program.
- Supervise 3 postgraduate students, 2 master degree students (faculty of science, Ain shames university, and Menofia university, Egypt)
- Supervision of doctoral degree student at faculty of medicine, MU, Egypt.

References

Name	Position	E-mail address
Prof. Dr. Mohamed Hashem	The formal president of NRC, Egypt	mmhashem@ncsu.edu
Prof. Dr. Gad El Qady	The president of NIRAG, Egypt	gadosan@yahoo.com
Prof. Dr. Masaharu Seno	Dean Graduate School of Interdisciplinary Science and Engineering in Health Systems Okayama University, Japan	mseo@okayama-u.ac.jp
Prof. Dr. Naoko Fukami	Director of JSPS office in Cairo	naokofukami@gmail.com
Anna Cocco	Education, Outreach, and Social Communications Coordinator, UHN, Canada	anna.cocco@uhn.ca

