


Tahani Ramez Makki | Curriculum Vitae

	<ul style="list-style-type: none"> ➤ <u>Address:</u> Roumine, Nabatieh, Lebanon. ➤ <u>Date of Birth:</u> August 1, 1989. ➤ <u>Emails:</u> <ul style="list-style-type: none"> ✉ trm03@mail.aub.edu ✉ tahanimakki@hotmail.com ✉ tahanimakki.pht@gmail.com
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Education	
June 2007	Official High School of Maghdouché <i>Baccalaureate, average 78.57/100</i>
September 2007-July 2010	Lebanese University (LU) <i>Bachelor of Physics, average 75.74/100</i>
September 2010-July 2011	Lebanese University (LU) <i>Master M1 in Fundamental Physics, average: 80.86/100</i>
September 2011-July 2012	Lebanese University (LU) <i>Master M2R in Fundamental Physics, average: 75.55/100</i>
September 2013-September 2019	American University of Beirut (AUB) <ul style="list-style-type: none"> ➤ <u>Doctor of Philosophy:</u> <i>Ph.D. in Theoretical Physics.</i> ➤ <u>Thesis:</u> <i>“New Analysis of the Primordial Nucleosynthesis in Light of the Lithium Problem”</i> ➤ <u>Supervisor:</u> <i>Prof. Mounib El Eid, Physics Department, American University of Beirut, Lebanon.</i>
Experience	
September 2013- January 2018	American University of Beirut (AUB) <ul style="list-style-type: none"> ➤ <i>Teaching full courses: PHYS 103.</i> ➤ <i>Teaching recitations: PHYS 210, PHYS 211.</i> ➤ <i>Teaching labs: PHYS 205, PHYS 211.</i>
September 2017-present	Teaching at high schools (all levels).
Current position	Ministry of Education and Higher Education <i>Position: High School Teacher.</i>
Competences	

<i>Languages</i>	<ul style="list-style-type: none"> ➤ <i>Arabic: Native.</i> ➤ <i>English: Very good.</i> ➤ <i>French: Very good.</i>
<i>Computer skills</i>	<i>Microsoft Office – Linux - Matlab – Latex - C and C++ programming - Online learning platforms.</i>
International interactions	
<i>Conferences</i>	
<ul style="list-style-type: none"> ➤ <i>Conference 1: Frontiers in Theoretical and Applied Physics (FTAPS), American University of Sharjah (February 2017).</i> ➤ <i>Conference 2: The Fourth Azarqui School of Astronomy, Portopalo, Italy (June 2017).</i> ➤ <i>Conference 3: Ninth European Summer School on experimental nuclear astrophysics, Santa Tecla, Catania, Italy (September 2017).</i> ➤ <i>Conference 4: Carpathian Summer School of Physics, Sinai, Romania (July 2018).</i> ➤ <i>Conference 5: Third ARAS School for Astrophysics, AUB, Beirut, Lebanon (November 2018).</i> 	
<i>Publications</i>	
<ol style="list-style-type: none"> 1. “A critical analysis of the Big Bang Nucleosynthesis”, Tahani R. Makki, Mounib F. El Eid and Grant J. Mathews, Modern Physics Letters A, 34, 1950194 (2019). https://doi.org/10.1142/S0217732319501943 2. “Impact of neutrino properties and Dark Matter on the Primordial Lithium Production”, Tahani R. Makki, Mounib F. El Eid and Grant J. Mathews, Int. J. Mod. Phys. E, 28, No. 08, 1950065 (2019). https://www.worldscientific.com/doi/abs/10.1142/S0218301319500654 3. “The Lithium Problem: New Insight in the Big Bang Nucleosynthesis (BBN) beyond the Standard Model”, T R Makki, M F El Eid, Journal of Physics: Conf. series 869 (2017) 012091). https://iopscience.iop.org/article/10.1088/1742-6596/869/1/012091 4. “Big Bang Nucleosynthesis (BBN) and Non-Standard Physics”, Tahani Makki and Mounib El Eid, EPJ Web of Conferences 184, 02009 (2018). https://doi.org/10.1051/epjconf/201818402009 5. “Cosmological Solutions to the Lithium Problem”, G. J. Mathews, A. Kedia1, N. Sasankan1, Motohiko Kusakabe, Y. Luo, T. Kajino, D. Yamzaki, T. Makki, and M. El Eid, JPS Conf. Proc. 31, 011033 (2020), arXiv:1909.01245v2 6. “What can Lithium tell us about the early universe?”, Tahani Makki, a short contribution to “The Fourth Azarqui School on Astronomy: a Bridge between East and West”. https://agenda.infn.it/event/12080/contributions/11972/ 7. “The Cosmological Lithium Problem: New Analysis of the Standard Big Bang Nucleosynthesis (SBBN)”, a short contribution to Carpathian Summer School of Physics 2018. http://www.nipne.ro/indico/conferenceTimeTable.py?confId=368#20180712 	
Awards	
September 2017-September 2019: CNRS-L /AUB Awards for Ph.D students.	