



Rony Aad

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EDUCATION

2016 – 2019 **Bachelor of Chemistry (GPA 3.7/4, with distinction)** – American University of Beirut

2019 - 2020 **Teaching Diploma** – American University of Beirut

2020 – 2023 **Master's in industrial chemistry (GPA 110/110L, cum laude)** – University of Milan

2023 – currently **PhD in Bioengineering/Chemical engineering** – Polytechnic University of Milan

Textile industry recycling- focusing on finding innovative applications of sericin, a byproduct of silk manufacturing, in cosmetics, packaging, and tissue engineering fields, after optimizing the extraction process and improving its properties.

PUBLICATIONS

J. Alongi, **R. Aad**, A. Manfredi, F. Carosio, P. Ferruti, E. Ranucci. Use of calcium chloride to enhance the efficacy of polyamidoamines as flame-retardants for cotton. *Polym. Degradat. Stabil.* **2023**, 110428.

J. Alongi, **R. Aad**, P. Ferruti, E. Ranucci. Enhancing the flame resistance of cotton by exploiting the interaction between calcium chloride and an aspartic acid-derived polyamidoamine. *Cellulose*. **2023**, 10.1007/s10570-023-05599-6.

WORK EXPERIENCE

SEP 2022 – OCT 2022 **Research Intern (2 Months)** – Centrale Lille Institut, Lille

Conducted research in the framework of my master thesis. Worked on thermogravimetric analysis of polymers.

SEP 2019 – MAY 2020 **Teacher Assistant (9 Months)** – American Community School, Beirut

Assisted a chemistry teacher in writing exams' keys, correcting exams, proctoring, and teaching.

FEB 2019 – MAY 2019 **Assistant Project Coordinator Intern (4 Months)** – Masar (UNICEF), Beirut

Worked on data collection, entry and organization, time management, project management, monitoring and evaluation, reporting, workshops and trainings preparation and organization, and managing social platforms and online branding.

AUG 2018 – MAY 2019 **Social Work Researcher (9 Months)** – Masar Association- UNICEF, Lebanon, and Jordan

Implemented four tools (personal interviews, focus group discussions, rich pictures and tree analysis) to assess youths' needs.

CONFERENCES AND SEMINARS

JUN 2022 **Milan Polymer Day (MIPOL) 2022**, Milan.

Member of the organizing committee.

AUG 2018 **9th USLS (University Scholars Leadership Symposium)**, Bangkok.

Organized by UN- Humanitarian Affairs- Asia. It included inspirational talks, community services, and humanitarian discussions.

NOV 2018 **Peace Summit**, Bangkok.

Chosen to be a Peace Ambassador and represent my country with UN- Humanitarian Affairs.

HONOURS AND AWARDS

Best Poster Award – MIPOL 2022, University of Milan

For my thesis project "Use of Calcium Chloride to Enhance the Efficacy of Polyamidoamines as Flame-retardants for cotton".

Student Leader – University of Delaware, U.S. Middle East Partnership Initiative

Chosen to be the leader of the program that offered intensive lessons in participatory governance and application of leadership skills.

Best Lebanese Social Researcher – Masar-UNICEF

Travelled to Amman to represent Lebanese youth and present the results of my research, in UNICEF regional workshop.

Youngest Scout Leader Trainer in Lebanon – Educational Scouts, Ministry of Education

Honored to be the youngest leader trainer. Organized training sessions, workshops, and camps for 200 participants.

TOT, Trainer of Trainers in Positive Team Building, UNICEF

PROJECTS

APR 2020 – AUG 2020 **YASERA (Youth Activism and Social Entrepreneurship in Rural Areas), USAID Lebanon**

Delivered 6 sessions to 50 beneficiaries, introducing them to social entrepreneurship.

NOV 2017 – FEB 2018 **My Decision Today, My Success Tomorrow, UNICEF, Lebanon**

Provided career guidance for high school students with respect to the community needs.

SKILLS

2015-2020 **Workshops and Training Sessions with different local and international organizations**

Communication, leadership, conflict resolution, public speaking, teamwork, project management, data analysis, advocacy, sectarianism, project proposal writing, fundraising, social media and networking, budgeting, reports writing, monitoring and evaluation, entrepreneurship, and social entrepreneurship.

Languages

Arabic (Native), **English** (Proficient), **French** (Independent), **Italian** (Good).

Digital: Chemdraw ultra, Mestre Nova (NMR), Origin graphing software, Microsoft word, excel, power point, outlook, teams, video editing and video making, social media, photo editing.

Chemical: Thermogravimetric analysis, combustion tests, organic and polymer synthesis, infrared spectroscopy, scanning electron microscopy, cone calorimetry, nuclear magnetic resonance.