

CURRICULUM VITAE

Personal Details

First Name: Ahlem

Family Name: Guesmi

Date and place of birth: 30 May 1984 – Siliana- Tunisia

Marital status: Married

Children: 2

Nationality: Tunisian

Occupation: Assistant professor (TEXTILE Sciences) **Teaching experience:** 3 years

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Education and qualification grade

Academic year	Qualification	grade	Institution
2011/ 2013	Doctorate in Organic Chemistry textile Engineering	VERY HONORABLE	National Engineering School
2009/ 2010	Post-graduate Diploma in Organic Chemistry Textile Engineering	VERY WELL	National Engineering School
2004- 2008	National diploma engineer Organic Chemistry Textile		National Engineering School
2003	Baccalaureate certificate in experimental science	WELL	Siliana secondary school

TEACHING EXPERIENCE IN HIGHER EDUCATION

Academic year	Position	Institution	Level of teaching	Main Programs taught
From 2013 to 2014	Assistant	Higher Institute of Fashion Crafts of Monastir	DUET And LMD	Organic Chemistry Macromolecular Chemistry General Chemistry polymer

Research Activities

PUBLICATIONS

1. **A. Guesmi**, N. Ladhari, N. Ben Hamadi, F. Sakli, *Industrial Crops and Products* 2012, 37, 342-346.
2. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli, *Industrial Crops and Products* 2012, 37, 493-499.
3. **A. Guesmi**, N. Ladhari, F. Sakli, *Ultrasonics Sonochemistry* 2013, 20, 571-579.
4. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli, *Industrial Crops and Products* 2013, 42, 63-69.
5. **A. Guesmi**, N. Ladhari, N. Ben Hamadi, M. Msaddek, F. Sakli, *Journal of Cleaner Production*. 2013, 39, 97-104.
6. **A. Guesmi**, N. Ben hamadi, N. Ladhari, F. Saidi, H. Maaref, F. Sakli, *Industrial Crops and Products* 2013, 46, 264-267.
7. **A. Guesmi**, N. Ladhari, F. Sakli, Procédé de production de l'indicaxanthine et de la bétanine à partir de *l'opuntia Ficus Indica*. TN 2010/0622.30 DEC 2010.
8. W. Haddar, M. Ben Ticha, **A. Guesmi**, F. Khoffi, B. Durand, *Journal of Cleaner Production* 2014, 68 114-120.
9. W. Haddar, N. Baaka, N. Meksi, M. Ben Ticha, **A. Guesmi**, F. Mhenni, *Fibers and Polymers* 2015, 16, 1506-1511
10. **A. Guesmi**, *Polymers for advanced technologies*, 2016, 27, 1517-1522.
11. M. Ben Ticha, W. Haddar, N. Meksi, **A. Guesmi**, M. Farouk Mhenni, *Carbohydrate Polymers*, 2016, 157, 287-295.
12. **A. Guesmi**, N. ben Hamadi, *Macedonian Journal of Chemistry and Chemical Engineering* 2016, 35, 39-44.
13. **A. Guesmi**, W. Noura, N. ben Hamadi, *Macedonian Journal of Chemistry and Chemical Engineering* 2016, 35, 45-52.
14. O, K. Al-Duaij, **A. Guesmi** and N, B Hamadi. *Letters in Organic Chemistry*, 2016, 13, 274-279.
15. **A. Guesmi**, H. Dhahri, N. Ben Hamadi, *Journal of Clenar Products* 2016, 133, 1-4.

COMMUNICATIONS IN NATIONALS AND INTERNATIONALS MEETINGS

1. **A. Guesmi**, N. Ladhari, F. Sakli, Dyeing properties and colour fastness of wool dyed with indicaxanthin natural dye. International Conference of Applied Research in Textile. CIRAT-4, 2010, Monastir, Tunisia.
2. **A. Guesmi**, N. Ladhari, F. Sakli, Teinture de l'acrylique modifié par la bétanine, un colorant naturel extrait des fruits d'*Opuntia-ficus-Indica*. 3ème Journées Scientifiques sur la Valorisation des Bioressources, 2012, Monastir, Tunisia.
3. **A. Guesmi**, N. Ladhari, F. Sakli, Etude de la stabilité et application en teinture non conventionnelle de la bétanine, un colorant extrait des fruits d'*Opuntia-ficus-Indica* 3ème Journées Scientifiques sur la Valorisation des Bioressources, 2012, Monastir, Tunisia.
4. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli,. Spectral characterisation of wool fabric dyed with indicaxanthin natural dye: Study of the fluorescence property Research in Textile. VIIIème Congrès International QPE-TRV, 2013, Mahdia, Tunisia.
5. N. Ben Hamadi, **A. Guesmi**, N. Ladhari, F. Sakli,. Dyeing of silk with betanin. VIIIème Congrès International QPE-TRV 2013, Mahdia, Tunisia.
6. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli,. Teinture de la laine par l'indicaxanthine. 4ème Journées Scientifiques sur la Valorisation des Bioressources, 2013, Sousse, Tunisia.
7. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli,. Dyeing of wool fabric with indicaxanthin natural dye. RAM 2013 The Second International Conference on "Research to Applications & Markets" Sousse, TUNISIA, June 28-30, 2013.
8. N. Ben Hamadi, **A. Guesmi**, N. Ladhari, F. Sakli,. Dyeing of silk with natural dye. RAM 2013 The Second International Conference on "Research to Applications & Markets" Sousse, TUNISIA, June 28-30, 2013.
9. **A. Guesmi**, N. Ladhari, F. Sakli, Valorisation of Pulp of *Opuntia ficus-indica*: Ultrasonic dyeing of modified acrylic fabrics with Indicaxanthin dye. VIIème Congrès International QPE-TRV 2012, Mahdia, Tunisia.
10. **A. Guesmi**, N. Ladhari, F. Sakli, Dyeing study of Cationic cotton with Isosalipurposide natural dye. International Conference of Applied Research in Textile. CIRAT-5, 2013, Monastir, Tunisia.
11. **A. Guesmi**, N. Ladhari, F. Sakli, Ultrasonic preparation of cationic cotton. International Conference of Applied Research in Textile. CIRAT-5, 2013, Monastir, Tunisia.
12. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli,. Teinture de la laine par la bétanine: Application des bio-mordants. 4ème Journées Scientifiques sur la Valorisation des Bioressources, 2013, Sousse, Tunisia.
13. **A. Guesmi**, N. Ben Hamadi, N. Ladhari, F. Sakli,. Dyeing of cationic cotton with natural dye. RAM 2013 The Second International Conference on "Research to Applications & Markets" Sousse, TUNISIA, June 28-30, 2013.
14. **A. Guesmi**, H. Dhahri, **N. Ben Hamadi**, Dyeing properties and colour fastness of wool dyed with polyphenolic dyes extracted from date pits powder. Xème Congrès international QPE-TRV 2015 Mahdia-Tunisie, 10-12 Avril 2015.

15. A. Guesmi, H. Dhahri, **N. Ben Hamadi**, N. Ladhari, F. Sakli. Fluorescence property of wool fabrics dyed with date pits powders. Xème Congrès international QPE- TVR 2015 Mahdia-Tunisie, 10-12 Avril 2015.
16. H. Dhahri, A. Guesmi, **N. Ben Hamadi**, Extraction of natural dye from date pits powders: mordanting process assisted improvements in color strength. Xème Congrès international QPE- TVR 2015 Mahdia-Tunisie, 10-12 Avril 2015.
17. A. Guesmi, H. Dhahri, **N. Ben Hamadi**, N. Ladhari, F. Sakli, Dyeing study of cationic cotton with date pits powders. Xème Congrès international QPE- TVR 2015 Mahdia-Tunisie, 10-12 Avril 2015.

AIMS OF DEVOLEPED PROJECT

The main objective of our research is the suitable exploitation of biomaterials and the transition to the "green chemistry" as an ecological alternative to synthetics products.

A particular study has been concentrated about the exploitation of biomaterials in the textile area; it's to note that important results have been realized.

Computer literacy

Excellent use of various computer programs and software related to teaching and scientific research.

Office : Word, Excel, PowerPoint

Scientific software : Stat work, Origin, DXP, Labview.

Internet : Internet Explorer, Netscape

Drawing : Photoshop

Languages and degree of proficiency

	Written		Spoken	
	Excellent	Good	Excellent	Good
Arabic	👍		👍	
French	👍		👍	
English		👍		👍

Interests and Hobbies

During University education

Main activities 📌

Organizing leisure and studying excursions e.g :

- ☞ Visiting Natural Reserves and Historical sites
- ☞ Use of several astronomical instruments to watch the Ramadan and Aid Fitr crescent.
- ☞ Holding Night meetings in astronomy for students.