

## CURRICULUM VITAE



**Name** : Dr. Mukhan Wati  
**Designation** : Assistant Professor (contract)  
**Specialization** : Physical Chemistry  
**Teaching experience** : 6.5 years  
**Title of thesis** : Studies on the Chemical Composition of the Seeds of Some forest Trees  
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Certificate of outstanding contribution in the reviewing the research articles of “Chromatography” published in Oriental Journal of Chemistry.

### 1. Research Publications, Total: 15

Sr. No.	Authors	Title of paper/publication	Name of journal/publisher	Volume /issue / ISSN No./ ISBN No.	Year of publishing
1.	<b>Mukhan Wati</b> and M. Khabiruddin	Compositional Analysis and Antioxidant Activity of Acacia nilotica from two Locations	Asian Journal of Chemistry	29(4): 888-892 0975-427x	2017
2.	<b>Mukhan Wati</b> Sheetal and M. Khabiruddin	Phytochemical properties of seeds and oils of Cassia fistula (two locations).	Oriental Journal of Chemistry	33(4)/0970-020x	2017
3.	<b>Mukhan Wati</b> and M. Khabiruddin	Comparision of Antioxidants in phenol extract and methanol extract of Albizia lebeck from two locations.	International Journal of Pharmaceutical Sciences, Review & Research	45(1)/0976-044x	2017
4.	<b>Mukhan Wati</b> and M. K. Deen	Variations in phenolics, antioxidant and phytochemical composition of Salvadora Persica in two locations.	International Journal of Pharmaceutical Sciences & Research	9(1)/0975-8232	2018
5.	<b>Mukhan Wati</b> and M. Khabiruddin	Variations of Phytochemical Constituents of Plant Extracts of Cassia Fistula and Salvadora Persica.	Chemical Science Review and Letters	6(21)/ 2278-6783	2017
6.	<b>Mukhan Wati</b> and M. K. Deen	Antioxidant activity, phenols and flavonoid contents of plant extracts.	International journal of pharmacognosy	4(12)/2348-3962	2017
7.	<b>Mukhan Wati</b> and Anjani	Proximate composition and physiochemical characteristics of Acacia nilotica and Albizia lebeck.	International Journal of Innovative Research in Science and Engineering,	3(2)	2017
8.	<b>Mukhan Wati</b> and Preeti Dhanker	Review article on effect of Human hair on mechanical properties of epoxy resin.	International Journal of Advance Research in Science and Engineering	6(4)	2017
9.	Anjani <b>Mukhan</b>	Effect of Acetone Extract of	Asian journal of	30(3)	2018

	<b>Wati</b> and M. Khabiruddin	Sesame ( <i>Sesamum indicum</i> ) and Sunflower ( <i>Helianthus annus</i> ) Meal on Stability of Crude and Refined Soybean Oil.	chemistry.		
10.	<b>Mukhan wati</b> and M. K. Deen	Phytochemical Composition of <i>Acacia nilotica</i> Seeds.	International Journal of Basic and Applied Scientific Aspects.	2395-3373	2015
11.	<b>Mukhan Wati</b> , Komal Duhan and M. Khabiruddin	a review on importance of medicinal plants	journal of pharmacognosy & phytochemistry	7(3), 1278-1281	2018
12.	<b>Mukhan Wati</b> and M. Khabiruddin	variations in nutritional composition among different selected medicinal plants	Chemical Science Review and Letters	6(21) 2278-6783	2018
13.	Pooja Rani, <b>Mukhan Wati</b> and K. D. Sharma	A review on antioxidant activity mechanisms for tolerance to water-deficit stress in wheat inoculated with arbuscular mycorrhizal fungi	International journal of chemical studies	6(2) 2349-8528	2018
14.	<b>Mukhan Wati</b> , Pooja Rani and M. Khabiruddin	studies on pharmacology and phytochemistry of <i>pongamia pinnata</i>	International journal of chemical studies	6(2) 2349-8528	2018
15.	Pooja Rani, <b>Mukhan Wati</b> and K. D. Sharma	effect of bioinoculants on wheat ( <i>triticumaestivum l.</i> ) at different growth stages under varying soil moisture regimes	International journal of Agriculture Sciences	0975-3710	2018

## 2. Book chapters: 2

Sr. No.	Authors	Book title	Chapter	publisher
1.	<b>Mukhan Wati</b> and Komal Duhan	Waste management as economic industry towards circular economy	A review on solid waste management	Springer Nature
2.	<b>Mukhan Wati</b>	Recent trends in tropical plant research	An introduction to <i>Pongamia pinnata</i>	Akinik , New Delhi, 2019

## 3. Conferences/Seminars, Total: 14

1. **Mukhan Wati** and Preeti Dhanker (2017). Review article on effect of Human hair on mechanical properties of epoxy resin. Participated and presented paper in the 5<sup>th</sup> **International Conference** on Recent Development in Engineering Science, Humanities and Management organized by National institute of Technical Teachers Training & Research, Chandigarh, India on 16 April, 2017. (**certif.**)
2. **Mukhan Wati** and M. Khabiruddin (2017). Variations in phenolics, flavonoids and antioxidant activity of *Melia azedarach* from two locations. Participated and presented paper in the **International Conference** on “Recent Trends in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Ecological Sciences and Climate Change” held at Jawaharlal Nehru University, New Delhi on 15 January, 2017, abstract in Journal of Agroecology and Natural Resource Management, pp- 72. (**certif.**)
3. **Mukhan Wati** and M. K. Deen (2017). Determination of total phenol, flavonoids and antioxidant activity of *Pongamia pinnata*. Participated and presented paper in the **International Conference** on “Emerging trends on Environmental Science and engineering” held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana on 16- 18 February, 2017, abstract pp-179.(**certif.**)
4. Sheetal, **Mukhan Wati** and Rajvir Singh (2017). Synthesis of Some Novel Bioactive Ingredients. Participated and presented paper in the **International Conference** on “Emerging trends on Environmental Science and engineering” held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana on 16- 18 February, 2017, abstract pp-204.
5. Anjani, **Mukhan Wati**, Suman Bala and M. Khabiruddin (2017). Effect of Sesame meal extract on Stability of Flaxseed oil. Participated and presented paper in the **International Conference** on “Emerging trends on Environmental Science and engineering” held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana on 16- 18 February, 2017, abstract pp-232.
6. **Mukhan Wati** and Anjani (2017). Proximate composition and physiochemical characteristics of *Acacia nilotica* and *Albizia lebbek*. Participated and presented paper in the **International Conference** on “Latest Trend in Engineering, Science, Humanities and Management” held at (IFUNA) Indian Federation of United Nations Associations, Qutab Institutional Area, New Delhi (India), 4 February, 2017.(**certif.**)
7. **Mukhan Wati**, Sheetal and M. K. Deen (2017). Review on *Acacia nilotica*-A Nutritional Value Plant. Oral presentation in the 6<sup>th</sup> **National Conference** on “Chemical & Environmental Sciences: Emerging Dimensions & Challenges Ahead” held at Arya P. G. College, Panipat, Haryana, April 1, 2017, abstract pp-35.(**certif.**)
8. **Mukhan Wati** and M. K. Deen (2017). Variations in phenolics, antioxidant and phytochemical composition of *Salvadora persica* in two locations. Participated and

presented paper in the *National Conference on “Advanced Physical Methods in Chemical Sciences”* held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana from Feb. 22-23, 2017, abstract pp-2.

9. **Mukhan Wati** and M. K. Deen (2016). Nutraceutical composition of seeds and oil of *Pongamia pinnata*. Participated and presented paper in the **International Conference** on “*Recent Trends in Basic & Applied Sciences*” held at Maharana Agrasen School of Basic & Applied Sciences, Baddi on May 12, 2016, abstract pp. 4-5.(**certif.**)
10. **Mukhan Wati** and M. K. Deen (2016). A Review on *Pongamia pinnata*. Participated and presented paper in the *National Conference on “Recent Advances in Chemical Sciences”* held at S.D. P.G. College Panipat, Haryana from Mar. 30-31, 2016, abstract pp-24.
11. **Mukhan Wati** and M. K. Deen (2016). Nutraceutical Composition of Seeds and Oil of *Albizia lebbek*. Participated and presented paper in the *National Conference on “Organic Synthesis and Catalysis”* held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana from Feb. 17-18, 2016, abstract pp-74.(**certif.**)
12. **Mukhan Wati** and M. K. Deen (2016). Physio-chemical properties of the oil of *Melia azedarach*. Participated and presented paper in the **Seminar** on “*Recent Approaches to Sustainable Research & Development of Aromatic and Medicinal plants*” held at CCS HAU, Hisar, Haryana from Feb. 29-Mar. 01, 2016, abstract pp-132.(**certif.**)
13. **Mukhan Wati**, Shilpa Behl and M. K. Deen. (2018). Phytochemical composition of *Cassia fistula* plant extracts. Participated and presented paper in the **International conference** on sustainable agriculture, energy, environment and technology held at MDU, Rohtak, Haryana from Feb. 24-25, 2018, abstract pp-269.(**certif.**)
14. **Mukhan Wati** and M. Khabiruddin (2019). Antioxidants of different parts of *Albizia lebbek* plant. Participated and presented paper in the 2nd **International conference** on “*innovations in chemical, biological & environmental sciences*” held at Arya P. G. College, Panipat, Haryana, Feb 27-28, 2019, abstract pp-24.(**certif.**)

#### 4. Workshops: 2

1. Participation in Workshop on “*Greener Strategies for Organics and Nanomaterials: Applications of Nano-catalysts in Synthesis and Environmental Remediation*” (GIAN) from 25.11.2016 to 29.11.2016 held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana. (5 days).
2. Participation in Knowledge Workshop on “*Scientific Writing, e- Books and Publication Process*” on 12.03.2017, organized by University Science Forum, CCS HAU, Hisar, Haryana. (one day)

## 5. Training Programmes: 3

1. Participation in training on “*Remote Sensing, Geographical information System & Global Navigation Satellite System*” conducted by Harsac Hisar from 10 August to 27 November, 2015, sponsored by National Natural Resources Management System (ISRO). (3months & 17 days)
2. Participation in training on “*Geospatial technology for urban planning*” conducted by Harsac Hisar from 11 Feb. to 15 March, 2016, sponsored by (ISRO). (one month & 4 days)
3. Participation in training on “*Computer Basics*” organized in collaboration with the Student’s Counselling and Placement Centre, Directorate Student’s Welfare, CCS HAU, Hisar, Haryana from 01.03.2017 to 30.03.2017. (one month).

## 6. Popular Articles: 4

1. **Mukhan Wati** (2018). Antioxidant potential of Flax (*Linum usitatissimum* L.) seeds. *Agrobios Newsletter*, 17 (1): 80.
2. **Mukhan Wati** (2018). Nutritional Content and Antioxidant Activity of Drumstick Tree (*Moringa oleifera* Lam.). *Agrobios Newsletter*, 17 (2): 121.
3. **Mukhan Wati** (2018). Medicinal importance of Chandrasur (*Lepidium sativum* L.). *Agrobios Newsletter*, 17 (3): 63.
4. **Mukhan Wati** (2018). Physiochemical composition and Antioxidant Activity for Sesame and Sunflower. *Agrobios Newsletter*, 17 (4): 62.

## 7. Educational Qualification:

Sr. No.	Degree	Year	University/Institute
1.	Ph.D.	2017	CCS HAU, Hisar
2.	NET	2017	UGC/CSIR
3.	GATE	2015, 2013	MHRD
2.	M.Sc	2011	K. U. Kurukshetra
3.	B.Sc	2009	MDU, Rohtak