

# Curriculum vitae (C. V.)



## **Mahmood Zokaei**

**Professor**

**Department of Biology**

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**Ferdowsi University of Mashhad, Mashhad, Iran**

- Bachelor of Science (B. Sc.): Biology, Department of Biology, Isfahan University (1962)
- Master of Science (M. Sc.): Botany, Lawrence Kansas University (**KU**), U. S. A. (1973)
- Ph. D.: Mycology, The University of Sheffield, U. K. (1989)

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## A. Books:

Title	Publisher	Year of Pub.	Language
Medicinal Properties of Mushrooms with Introduction of The Most Important Medicinal Mushrooms of Iran	Islamic Azad University, Mashhad Branch	2010	Farsi

## B. Translated Books:

Title	Publisher	Year of Pub.	Language
Fungal Biology	Ferdowsi University of Mashhad	2006	Farsi

## C. Reviewed Books:

Title	Publisher	Year of Pub.	Language
Biology of Algae	ACECR	--	Farsi
Taxonomy of Plants	ACECR	--	Farsi

## D. Papers:

Title	Publisher	Year of Pub.	
Identification of agaricales collected in Mashhad area	Rostaniha - Iranian Journal of Botany	2001	
Study on identification and distribution of lichens (order Lecanorales) in Mashhad and surroundings	Rostaniha - Iranian Journal of Botany	2002	
Study on taxonomy and distribution of saxicolous lichens in mountains around mashhad (iran)	Research Journal of University of Isfahan "SCIENCE"	2003	
Four records of ascomycetes for Iran	Iranian Journal of Biology	2004	
Anatomical study of seven species of Cleome in Khorasan Province (Iran)	Rostaniha - Iranian Journal of Botany	2005	Joint paper
Study on taxonomy of sixth species of Saxicolous Lichens of North-East mountains around Mashhad (Mareshk)	Agricultural Sciences and Technology	2005	Joint paper
An introduction to the flora, life form and plant geographical distribution of Tirgan watershed (Khorasan Province)	Journal of Science (Kharazmi University)	2008	Joint paper

Floristic studies, life form and chorology of plants in Kalat highlands of Gonabad, Khorasan Razavi Province, East of Iran	Journal of Science (Kharazmi University)	2008	Joint paper
A Biosystematical Investigation on Silene L. Species in North- East of Iran	Asian Journal of Plant Sciences	2008	Joint paper
Macro-Ascomycetes from North-East forests of Iran (Shahid Zare and Siah Roodbar)	Journal of Science (Kharazmi University)	2008	Joint paper
Pollen morphology study on Silen L. species in Mashhad	Quarterly journal of biological sciences of Islamic Azad University, Garmsar Branch	2008	Joint paper
Indentification of tolerance threshold of agaricus bisporous to cr3+	Quarterly Journal of Plant Protection (Agricultural Science and Technology)	2009	Joint paper
Identification of five native lichens from Mashhad (IRAN) and in vitro analysis of their antibacterial activity	The Quarterly Journal of Animal Physiology and Development (Quarterly journal of biological sciences)	2009	Joint paper
Capacity of Trametes Gibbosa and Trametes Hirsute for Decolorization of AZO	The Quarterly Journal of Animal Physiology and Development (Quarterly journal of biological sciences)	2010	Joint paper
Phytoremediation of Pb by macroalgae Chara	Quarterly journal of biological sciences of Islamic Azad University, Garmsar Branch	2010	Joint paper
Comparative study of stem structure and wood analysis in different species of silene l. genus (Mashhad and country side)	Quarterly Journal of Plant Science Research	2010	Joint paper
Post technology casing soil with use of the vermicompost in mushroom (Agaricus bisporus (l.) sing.) cultivation	The Quarterly Journal of Animal Physiology and Development (Quarterly journal of biological sciences)	2010	Joint paper
Synthesis and antimicrobial activity of some new macrocyclic bis-sulfonamide and disulfides	European Journal of Chemistry , Volume ( 2 ) Pages 47-50	2011	Joint paper
Study of flora and changes in Cyanobacterial population during rice cultivation cycle in relation to PH, EC and temprature	Journal of Science (Kharazmi University)	2011	Joint paper

Investigation of antifungal effect of <i>Actinidia chinensis</i> extract	Journal of Medical Plants	2011	Joint paper
Genetic diversity of five population of <i>Muscari neglectum</i> Guss. (Hyacinthaceae) from northeastern part of Iran based on RAPD marker and comparison with ploidy levels	Quarterly journal of biological sciences of Islamic Azad University, Garmsar Branch	2011	Joint paper
Decolorization of methylene blue by new fungus: <i>Trichaptum biforme</i> and decolorization of three synthetic dyes by <i>Trametes hirsuta</i> and <i>Trametes gibbosa</i>	European Journal of Chemistry , Volume ( 2 ) , Pages 463-468	2011-2012	Joint paper
Study of Interaction between Cyanobacteria of Rice-Fields in Dargaz	Journal of Water and Soil	2012	Joint paper
Numerical taxonomy of the <i>Thymus</i> (Lamiain Northeast of Iran	Taxonomy and Biosystematics, University of Isfahan Journal System	2015	Joint paper

### E. Papers Presented in Conferences:

Title	Conference		
Introduction some of mushrooms and toadstools with insecticidal properties in Mazandaran forests	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Waterwatch?	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Production & proliferation embryo genesis of vertebrate	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Effects of change in intensity of magnetic field on living organisms	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Bioplastic and its usage in industry	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Study of distribution and identification of some of edible fungi in Mazandaran forests	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Combative interactions and the different application aspects of leaf litter decomposing Basidiomycets	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Effect of PH, temperature and 2,4-D on mycelium growth of mushroom ( <i>Agaricus bisporus</i> )	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper

Five new records of Basidiomycets from Iran	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Study and identification of Saxicolous Lichens in Mashhad area	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Production & proliferation sections of plants histology	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
The necessity of investigation on execution guide – lines for scientific education, applied biology training skilled technician of applied biology and its role in scientific, educational, health, economic and social progress of the country	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Plastination on certain macroscopic fungi	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Study on Muscarina and Amanita muscarina	The 1 <sup>st</sup> Iranian Congress on Applied Biology	2001	Joint paper
Conservation Status, life form and Chorology of Florain Kalat highlands of Gonabad, east	Fourth European Botanic Garden	2006	Joint paper
New records of Cyanobacteria from Mashhad (Iran)	Fourth European Phycologica Congress	2007	Joint paper
Identification of the members of family Nostocaceae collected from a sample paddy field from Mashhad	15 <sup>th</sup> National & 3 <sup>rd</sup> International Conference of Biology	2008	Joint paper
The effect of physiochemical factors of water on distribution of diatoms of Mashhad	15 <sup>th</sup> National & 3 <sup>rd</sup> International Conference of Biology	2008	Joint paper
The effect of EC, pH and temperature on species of Anabaena during cultivation cycle of rice	15 <sup>th</sup> National & 3 <sup>rd</sup> International Conference of Biology	2008	Joint paper
Identification of diatoms of Mashhad	15 <sup>th</sup> National & 3 <sup>rd</sup> International Conference of Biology	2008	Joint paper
Distribution study and numerical taxonomy of Thymus L. (Lamiaceae) in Khorasan, Iran	The 16 <sup>th</sup> National and 4 <sup>th</sup> International Conference of Biology	2010	Joint paper
Advanced technology of casing soil production by vermicompost for mushroom (Agaricus bisporus)	The 16 <sup>th</sup> National and 4 <sup>th</sup> International Conference of Biology	2010	Joint paper

Effect of magnetic field on the mycelia growth and spawn of <i>Agaricus bisporus</i>	The 16 <sup>th</sup> National and 4 <sup>th</sup> International Conference of Biology	2010	Joint paper
Investigation of effects of different rates magnetic fields on some anatomical characteristics of <i>Brassica napus</i> L. root	The 16 <sup>th</sup> National and 4 <sup>th</sup> International Conference of Biology	2010	Joint paper
Symbiotic effect of arbuscular mycorrhizal fungi on rice plant in the region of Layyn Khorasan Province	International Congress on Applied Biology	2011	Joint paper
Assessment and collection of medicinal mushrooms in the forests of Neka (Mazandaran Province)	National Congress on Medicinal Plants	2012	Joint paper
Diversity of Algae in Neyshabur and suburbs and pharmaceutical potential of some Algae	National Congress on Medicinal Plants	2012	Joint paper
Assessment and collection of medicinal mushrooms in the forests of Neka (Mazandaran Province)	National Congress on Medicinal Plants	2012	Joint paper
Comparative anatomical study on <i>Petiolata</i> and <i>Chlorodictya</i> varieties of <i>Mentha Longifolia</i> (L.) Hudson. As medicine plant in Khorasan Province	National Congress on Medicinal Plants	2012	Joint paper
Identification and distributional investigation of <i>Thymus</i> L. species in Tandureh National Park in Razavi Khorasan Province	The 17 <sup>th</sup> National & 5 <sup>th</sup> International Iranian Biology Conference	2012	Joint paper
Diversity comparison of symbiosis mycorrhiza species in rhizospher of <i>Thymus transcaspicus</i> in two seasons, spring and autumn	The 17 <sup>th</sup> National & 5 <sup>th</sup> International Iranian Biology Conference	2012	Joint paper
Diversity investigation of symbiosis in rhizospher in some of thyme ( <i>Thymus</i> L.) species in Khorasan Province	The 17 <sup>th</sup> National & 5 <sup>th</sup> International Iranian Biology Conference	2012	Joint paper
Habit characteristics and domestication of <i>Hypericum</i> ( <i>Hypericum</i> sp) on the northern slopes Binallod (Dolat Abad district)	International Congress on Natural Products	2013	Joint paper
Medical mushroom <i>Ganoderma</i> & <i>Fomes</i> family Polyporaceae fungi are the organisms of human long as they are sources of food and medicine	International Congress on Natural Products	2013	Joint paper
Wound healing properties of topical consumption of brown saweed ( <i>Sargassum</i> ) metanolic extract on balb/ c mice	International Congress on Natural Products	2013	Joint paper

Wound healing properties of brown seaweed (Sargassum) methanolic extract oral consumption on balb/ c mice	International Congress on Natural Products	2013	Joint paper
Basic study and introduction of Ectomycorrhizal fungi on forest trees of Neka (Mazandaran Province) and its importance as a bio-fertilizer mycorrhizal biotechnology	International Congress on Natural Products	2013	Joint paper

## F. Teaching

Course Title	Level
General Biology	
Plant Biology	B.Sc.
Plant Pathology	B.Sc.
Mycology	B.Sc.
Phycology	B.Sc.
Plant Morphology and Anatomy	B.Sc.
Thallophytes	B.Sc.
Bsc Thesis	B.Sc.
Organogenesis and Morphogenesis	B.Sc.
Mushrooms and Toadstools	M.Sc.
Modern Mycology	M.Sc.
M.Sc. Thesis	M.Sc.

## G. Researches

Title	
Plastination of few species of Macro Fungi for Museum	2002
Identification and distributional investigation of Lichen in Mashhad area	2004
Prepare permanent biological microscopic sections	2008
Effects of magnetic field on growth of organism (Fungi and rat)	2009

## H. M.Sc. Thesis

Supervisor of more than 60 Master of Sciences thesis in Ferdowsi University of Mashhad and Islamic Azad University, Mashhad Branch from 1988 till now.