FACULTY OF CIVIL ENGINEERING

DAMASCUS UNIVERSITY

**SYRIAN ARAB REPUBLIC**

الجمهورية العربية السورية

جامعة دمشق

كلية الهندسة المدنية

# CURRICULUM VITAE

*الدكتور محمد منصور الشبلاق*

## Personal profile:

**#-Name** : Prof. Dr. Eng. Mohamad Mansour AL-CHIBLAK

**#-Position** : Member of Teaching Staff at the Hydraulic Engineering, the Damascus University, Faculty of Civil Engineering, since 1989 ,

**#-Academic Degree: Professor of Water Engineering** at the Faculty of Civil Engineering - Damascus University ,

**#-2002-2005: Academic vice-dean of the faculty of civil engineering .**

**#-1995-1999 :Head of the departement of civil engineering,Faculty of engineering, Omar Al -Mukhtar University, Libya**

**#-2007-2009: Head of the departement of water engineering,Faculty of Civil engineering, Damascus University, Syria**

**#-Professional state**: Consultant Engineer (water studies)

**#-Head of the Commission for examination of the engineers for consulting degree in Water studies ,in Syria,2008-now**

**#-Member of the group for preparing the road code in Syria ,Chief of the Drainage section**

**Qualification:** Bachelor's Degree (B.Sc.) in Civil Engineering, Damascus University, 1981

**1984-1986** :In-depth Studies Certificate in hydraulic Engineering Hydrology, Dam engineering- Dresden University of Technology, Germany,

**1986-1989** : Ph.D. degree in Hydraulic Engineering (Water structure) from Dresden University Technology , Dams Sealing using Asphalt Concrete in arid Zone Condition, Germany,.

**Teaching Experience**:

**(1)** Hydraulic and Fluid Mechanics to the Fourth-Year students of Omar Al -Mukhtar University, Libya, from 1995 to 1999.

**(2)** Drinking Water and Sanitary Drainage Networks to the Fifth-Years students of Omar Al-Mukhtar, Libya ,from 1995 to 1999.

**(3)** Dams to Fifth-year students and Hydraulic structures to forth year students- Damascus university -2000-now.

**(4)** Water Structures to student of Postgraduate Studies, Diploma, 1999-Now.

**(5)** Surface Water Resources (Hydrology) to Fourth-Years students of the Damascus University, Faculty of Civil Engineering, 1989-1995 and 1999-Now.

**(6)** Ground water Resources to Fourth-Years students at the Damascus University, Faculty of civil Engineering, 1989-1995 and 1999-Now.

**(7)** Advanced Hydrology and Hydrogeology to students of Postgraduate studies ,Diploma, Damascus University, Faculty of Civil Engineering , 1991-1995 and 1999-Now.

**(8)** Surface Water Resources(Hydrology) to the Third-Year students of Omar Al Mukhtar, Libya, from 1995 to 1999.

**(9)** Ground water Resources to the Third-Year students of Omar Al Mukhtar University, Libya, from 1995 -1999

**(10)** **Dams** to the Fifth-Year students of Omar AL-Mukhtar university ,Libya ,from 1995 to 1999.

**(11)** Fluid mechanics ,Statics ,Hydraulics ,Water Resources and Dam Engineering at the International University for Science and Technology in Syria-2009-now

**(12)** Supervising the Graduation Projects of the students of the Hydraulic Engineering Department in the field of Dam Engineering, Surface and ground water resources, and water structure.

**(13)** Supervising the Master's Dissertation(Postgraduate studies) of the student Samah Mohammad, entitled: "Evaluation of the Thermal Behaviour of the Surface Asphalt Facing used in the Dams Sealing under Syria's climatic conditions.

**(14)** Supervising the Postgraduate students from the **Federal Republic of Germany**, namely Thomas Beakere and Sussanna Kozerke. The study was entitled: "Evaluation of the Water Resources in Arid Environment, such as the Barada and Al-Awaj Basin, near Damascus",1994

**(15)** Supervising the Doktor Dissertation of the Engineer Lakdhar Dijmili,from Algier, Baji Mukhtar University-Innaba, Algeria, entitled: "Creteria for selecting earth dams-finished in 2006 with degree Excellent.

**(16)** Supervising the Master's Dissertation(Postgraduate studies) of the student Suha Alasmi, entitled: "Relationship between Rainfall and Runoff in Yarmouk Basin in Syria-2010

**Professional Experience:**

Practicing the professional is done through the **Engineering Unit for Civil and Water Studies**. The following professional works have been practiced:

(1) Study of the possibility of using asphalt from Al-Bishri mountian in the prevention of seepage from water structure, in favor of the Ministry of Irrigation. The study lasted for 2 years (1991-1993).

(2) Study of the Drainage structures of the railway from Al-Qadam Station to Damascus international Airport (Economic Feasibility study) in favor of the Ministry of Transport, 2002.

(3) Supervision of Al-Sorany Dam Project, Tartous,in favour of the General Directorate of the Cost Basin, Ministry of Irrigation, 2002.

(4) Verifying the French study on the design of the entrance to the offshore Desalination Station in Sousa, Libya, 1999.

(5) Study of the rainstorms and the suitable models for describing the rain relation with the flow in Al-Bayda City, Libya, 1999.

(6) Verifying the Hydrologic study and torrents warding off for the Industrial City Project at adra (2003), a study executed by the General Company of Technical Studies and Consultations.

(7) Re-evaluation of Tseel Dam and study of the necessary maintenance of the Dam(Yarmouk Basin), 2003.

(8) Re-evaluation of Saham Dam and study of the necessary maintenance of the Dam(Yarmouk Basin), 2003
(9) Re-evaluation of Hubran and Alghaida Dams and study of the necessary maintenance of the Dam(Yarmouk Basin), 2005
(10) Re-evaluation of Miamas and Ghaidet Alhamail Dams and study of the necessary maintenance of the Dam(Yarmouk Basin), 2018

(11) Verifying the hydrologic study of the Creat Damascus Cloverleaf Intersection Project on the Sabboura-Qatana High Way, 2003.
(12) Hydrologic study of the Project of Re-urbanization of Al-Adnaniyya Village in Qunaitira Governorate, 2003.
(13) Re-evaluation of Al-Ghayda, Sweida Dam.
(14) Re-evaluation of HypranDam - Sweida.
(15) Hydrologic study of the dams : Tseel, Al-Ghayda, Hubran,Miamas.
(16) Hydrologic study of the culverts of the Damascus-Daraa Road (110km)-2004
(17) Hydrologic study of the culverts of the salamia-Hama-Road (30km) (2004).
(18) Hydrologic study of the culverts of the Yaroubia - Aleppo-Road (160km) (2005).
(19) Hydrologic study of the culverts of the Aleppo-Izaz-Tal abiad Road (60km) (2005).
(20) Hydrologic study of the culverts of the Musiaf-Kadmous-Road (5km) (2006).
(21) Hydrologic study of the culverts of the North Road (Between north of Damascus and the road to Beirut (22km) (2012).
(22) Re-evaluation of the Hydrologic study of the culverts of the Abu Hafka-Khrbet Ahiash villig in Homs-2010.
(23) Re-evaluation of the Hydrologic study of the culverts of the Sawania- Aliania in Homs-2009.
(24) Re-evaluation of the Hydrologic study of the Drainage of the road in Dimas village near Damascus-2010.
(25) Re-evaluation of the Hydrologic study of the Bridige at Euphrate river in Raqqa City-study prepared by Khatib and Alami consulting office -Beirut-2004
(26) Hydrologic study of the culverts of the Road (Between Hama and Musiaf (40km) (2019).
(27) Hydrologic study of the culverts of the Road (Between Marmarita and Homs-Tartus Road (20km) (2020).

**Academic Researches:**

I published several researches in Damascus University Journal and Basel As sad Journal and Foreign Journals, and participated in several scientific conferences in connection with Dam Engineering and Hydrology:

## Conferences

| Conference | Title of the Work | Place | Year |
|---|---|---|---|
| 30-Science Week | The possibility of the use of natural asphalt in water engineering | Damascus University | 1990 |
| 31-Science Week | Study and experiments about the use the natural asphalt in Albishri Mountain in Syria for sealing of irrigation canals-results of labor testes | Tichreene University-Latakia | 1991 |
| 32-Science Week | Study and experiments about the use the natural asphalt in Albishri Mountain in Syria for sealing of irrigation canals-results of field testes | Damascus University | 1992 |
| international Conference on the Management of Water Resources in the arid Areas countries | Studies and experiments about the Stability of Asphalt facing used for sealing of dams and reservoir in arid zones | Muscat, Oman | 1995 |
| Surface Water Resources Modeling, Damascus University | Modeling | Damascus University | 2002 |
| Ninth International water Technology ,Conference,IWTC9 | The Development in the use of asphaltic concrete in Hydraulic structures | Sharm A sheikh, Egypt Published in the conf .proceeding P.345 | 2005 |
| German-Syrian dam symposium | The first use of asphaltic concrete in Syria for sealing of dams (results of field and labor testes) | Ministry of irrigation | 2007 |
| First symposium on water resources in Damascus University | Probable maximum precipitation (PMP) and Risk assessment as a base for spillway design | Damascus University | 2007 |
| 34 Wasserbalkollogium in Dresden (10-11 -03) | Asphalt facing for Al Sourani Dam in Syria-Paper for 34 Wasserbalkollogium in Dresden (10-11 -03- | Germany Dresden | 2011 |

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|---|---|---|---|
| | 2011).(Published in preceding Book | | |

# Journals

| **T**itle | Journal | Year |
|---|---|---|
| Determination of Temperature Distribution in Asphalt-Facing Layers used for Sealing of Hydraulic Structure under Arid and Semi-arid Zones (Syria) | Damascus University Journal for the Engineering Sciences ,vol.17.N.1 | 2001 |
| STRESS-STRAIN RELATIONSHIP OF ASPHALTIC CONCRETE USED IN SEALING OF DAMS IN DIFFERENT THERMAL CONDITIONS DUE TO TENSION STRESS | Basel As sad Journal for Engineering Science ,vol. 2,N.4 | 2007 |
| Behavior of deformation of asphalt under effect of shearing stress in different thermal condition - | Damascus University Journal for the Engineering Sciences,vol.12,N.1 | 1996 |
| Assessing Thermal Behavior of surface bituminous concrete Facing used in Tightening Dams under Syrian circumstances | Damascus University Journal for the Engineering Sciences,vol.21.N.1 | 2005 |
| Sealing of Dams using Asphaltic Concrete facing | First science symposion about the Dams – Techrieen university-Latakia | 2003 |
| Simulation Numerique de La Temperature des Masques En Beton Bitumineux Barrage Ghrib,Algerie | Annales du Batiment et des Travaux Publics,N4 | 2005 |
| Study of the Temperature Distribution in the Bituminous Concrete Facing used in Fill Dams in the Semi Arid Region of West Algeria | Journal of Engineering and Applied Science 2(3) | 2007 |
| Asphaltic concrete facing for rockfill dams in arid and semi-arid countries:Acase study of Alsourani dam, Syria- | International Journal of the Physical Sciences Vol.6(36),pp8157-8163,30 | 2011 |
| Study of the dam Break at Ain Dalia(Souk-Ahras-Algeria)for the evaluation of safety conditions management and potential hazard of downstream | Journal International Environmental conflicts Management –Santa Catarina-Brazil,1(1),pp.275-282 | 2010 |
| Estimation of probable maximum precipitation in Costal basin in Syria -with Eng. Samah Muhammad - | Damascus university journal | 2017 |

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|---|---|---|
| Estimation of probable maximum precipitation in Alassi basin in Syria-using Hirschfield statistical method- with Eng. Samah Muhammad | Albath university journal | 2017 |
| Comparative study of probable maximum precipitation with Hirschfield and modified Hirschfield methods in costal basin in Syria-with Eng. Samah Muhammad | Albath university journal | 2018 |

**Published Books:**

(1) Hydrology , Damascus university-1994

(2) Applied Hydrogeology –Omar Almukhtar university-Libya, 1999

(3) Analysis and Evaluation of Pumping Test Data (original titel) by Kruseman and De-rider - Translated from English in to Arabic, Omar Almukhtar university-Libya, 2000;

(4) Applied Hydrology - Omar Almukhtar university-Libya, 2017

(5) Flood-Handbook by Hans Patt (Original title in German: Hochwasser Handbuch): Translated from German in to Arabic, Arab center for Translation and publishing-Arab League -2005.

(6) Dam engineering-Damascus university-(under preparation)

**Languages:**

1-Arabic
2-Deutsch (German)
3- English

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*Faculty of civil Engineering*
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