



**TARBIAT MODARES
UNIVERSITY**



Laboratories & Research Centers of Water Structures Engineering Department



LAB'S ADMINISTRATORS

Mr. S.A. Safavinia

Expert In Charge of Department's Laboratories

Mr. Moradi

-Technician of workshop : []

Tel: +982148292597 as The Charge's Direct Number
or

+98214829+ (Internal : 2597 or 2603 or 2076)

Fax: +982148292603

Faculty Tel: +982148290

Faculty Fax: +982148292200

Email: safavinia@modares.ac.ir



Faculty of Agriculture, Tarbiat Modares University

Address:

16km Tehran-Karaj Highway, Pajuhesh Science
and Technology Park, Pajuhesh Boulevard,

PO Box: 14115-336

Postal Cod; 14977-13111, Tehran, I.R. Iran

Website: En-Agr.modares.ac.ir

Map: <https://goo.gl/maps/4Da4CagZzb82>

LABORATORIES

- **Hydraulics workshop**
- **River Engineering And Sediment Transport**
- **Physical & Hydraulics Models And Water Quality**
- **Research centers**

LABORATORIES

HYDRAULICS WORKSHOP



LABORATORIES

HYDRAULICS WORKSHOP



LABORATORIES

HYDRAULICS WORKSHOP



5 2:51

27 1

LABORATORIES

HYDRAULICS WORKSHOP



LABORATORIES

HYDRAULICS WORKSHOP



LABORATORIES

RIVER ENGINEERING AND SEDIMENT TRANSPORT



LABORATORIES

PHYSICAL & HYDRAULICS MODELS AND WATER QUALITY



LABORATORIES

PHYSICAL & HYDRAULICS MODELS AND WATER QUALITY



EQUIPMENTS



30 cm Tilting Flume
10m length
Plus Lateral intake
Plus Sediment Mixer Vessel & Injection
Automation Control
Accurate Electrical Valves
Digital Flow meter
...



EQUIPMENTS



18 * 1m
Flume
Open
Channel
with River
Path
Plus Dry
Sediment
Injection
Automation
Control with
3 phases
Drive for
Pump's
Inverter
Electrical
Valves
Monitoring
Digital Flow

EQUIPMENTS



18 * 1-2m Flume
Open Channel with Lateral intake
Plus Full Automatic Mover,
Controller, Data Logger &
Displayer Instruments such as
Vectrino & Leaser Bed profiler
with Adjustable Independent
Tilter from Flume
Charging Flow til 60 lit/sec by
Nominal Pump's Power

EQUIPMENTS



6* 1.5m Flume
Open Channel for Reservoir
Modeling with Mechanical
Sediment Leveler



EQUIPMENTS

4* 0.4m Flume
Open Channel For Rock Fill Dams Researches
With Digital Flow Monitoring
Glass Side Equipped with Piezometers



OTHER MACHINERY AND INDUSTRIAL TOOLS

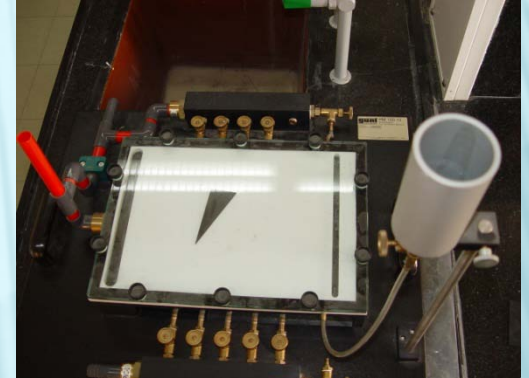


INSTRUMENTS

3D Water Velocity Meter (Vectrino)



Helly-show apparatus



Force & Free Vortex Apparatus



Current meters:

Micromolneh & Turbulences



Micromolneh



Reynolds-Moody Diagram Apparatus



INSTRUMENTS



PH meter



Sediment Transporting Apparatus



EC meter



Adjustable Bed Flow Apparatus



Turbidity meter



Friction Apparatus

INSTRUMENTS



Electromagnetic
Flow meter
4"

Owen
& Shaker



Ultrasonic Flow
meter

Sensitive
Balance



Clamp on
Sensors of
U-Flow meter
On 4" pipe

Depth meter



INSTRUMENTS



Surveying's
Equipments:
Nivoo

Surveying's tools



Digital Teodolit

Surveying's
tools



Leaser leveler

Surveying's
tools



RESEARCH CENTERS



MORE INFORMATION

Over 10 graduated PhD students

Over 30 graduated MSc students

Performing some nation plans & programs

Thesis's base on laboratory's works

Thesis's base on laboratory's works

Coming later with more details