

## Prof. NURAY TOKYAY

### Personal Information

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### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 1979 - Continues

### Advising Theses

TOKYAY N., Drag characteristics of a historical bridge pier, Postgraduate, M.MERT(Student), 2017

TOKYAY N., Effects of different bed roughnesses on the characteristics of hydraulic jumps, Postgraduate, D.VELİOĞLU(Student), 2012

TOKYAY N., Effect of prismatic roughness on hydraulic jump in trapezoidal channels, Doctorate, T.ULAŞ(Student), 2012

TOKYAY N., Forced hydraulic jump on artificially roughened beds, Postgraduate, Ç.ŞİMŞEK(Student), 2006

TOKYAY N., The effect of prismatic roughness elements on hydraulic jump, Postgraduate, T.ULAŞ(Student), 2005

TOKYAY N., The effect of prismatic roughness elements on hydraulic jump, Postgraduate, T.ULAŞ(Student), 2005

TOKYAY N., Hydraulic jump on corrugated beds, Postgraduate, K.AYANLAR(Student), 2004

TOKYAY N., Water surface profiles in compound channels, Postgraduate, O.BİRİSOY(Student), 2002

TOKYAY N., Generalization of the law of the wall, Postgraduate, M.KÖKEN(Student), 2002

TOKYAY N., Generalization of the Law of the Wall, Postgraduate, M.KÖKEN(Student), 2002

TOKYAY N., Discharge coefficient of rectangular sharp-crested weirs for small weir heights, Postgraduate, Z.GÜL(Student), 2002

TOKYAY N., Local losses at a step in a sub-critical open channel flow, Postgraduate, S.İLKER(Student), 2002

TOKYAY N., Discharge coefficient of rectangular sharp-crested weirs for small weir heights, Postgraduate, Z.GÜL(Student), 2002

TOKYAY N., Characteristics of free fall for supercritical flows, Postgraduate, D.YILDIZ(Student), 1999

TOKYAY N., Economic and hydraulic analysis of regulation of Urfa main canal as a downstream controlled canal, Postgraduate, B.BOZ(Student), 1999

TOKYAY N., Economic and hydraulic analysis of regulation of Urfa Main Canal as a downstream controlled canal, Postgraduate, B.Boz(Student), 1999

TOKYAY N., Velocity and wall shear stress distribution in compound channels, Postgraduate, M.Mehmet(Student), 1999

TOKYAY N., Velocity and wall shear stress distribution in compound channels, Postgraduate, M.MEHMET(Student), 1999

TOKYAY N., Interface manning roughness coefficient for compound channel, Postgraduate, U.KAYATÜRK(Student), 1998

TOKYAY N., The Energy-and the momentum-correction coefficients in compound channels., Postgraduate, A.BATU(Student), 1998

TOKYAY N., Interface manning roughness coefficient for compound channels, Postgraduate, U.Kayatürk(Student), 1998

BOZKUŞ Z., TOKYAY N., Pre-event dam failure analyses for emergency management., Postgraduate, A.İHSAN(Student), 1998

TOKYAY N., Numerical simulation of minimum B-jumps at abrupt drops, Postgraduate, E.ESKİ(Student), 1994

TOKYAY N., Numerical simulation of a type hydraulic jumps at positive steps, Postgraduate, A.Burcu(Student), 1994

TOKYAY N., Numerical simulation of a type hydraulic jumps at positive steeps, Postgraduate, A.BURCU(Student), 1994

TOKYAY N., The effects of step shape on hydraulic jumps at negative steps ., Postgraduate, E.Öztürel(Student), 1993

TOKYAY N., The Effect of step shape on hydraulic jumps at negative steps, Postgraduate, E.ÖZTÜREL(Student), 1993

TOKYAY N., Computation of discharge and critical depth for compound channels, Postgraduate, İ.KAAN(Student), 1992

TOKYAY N., Wave-type at abrupt bottom changes, Postgraduate, N.Eroğlu(Student), 1991

TOKYAY N., Wave-type flows at abrupt bottom changes, Postgraduate, N.EROĞLU(Student), 1991

TOKYAY N., The Hydraulic jump at an abrupt bottom rise, Postgraduate, H.ULUBAYRAM(Student), 1989

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Forced hydraulic jump on non-protruding rough beds**  
TOKYAY N., Evcimen T. U., Simsek C.  
CANADIAN JOURNAL OF CIVIL ENGINEERING, vol.38, no.10, pp.1136-1144, 2011 (SCI-Expanded)
- II. **Local energy losses at positive and negative steps in subcritical open channel flows**  
Tokyay N. D., Altan-Sakarya A. B.  
Water SA, vol.37, no.2, pp.237-244, 2011 (SCI-Expanded)
- III. **Numerical simulation of minimum B-jumps at abrupt drops**  
Tokyay N. D., Altan-Sakarya A. B., Eski E.  
International Journal for Numerical Methods in Fluids, vol.56, no.9, pp.1605-1623, 2008 (SCI-Expanded)
- IV. **Reply to the discussion by H. Chanson and L. Toombes on "Characteristics of free overfall for supercritical flows"**  
Tokyay N. D.  
CANADIAN JOURNAL OF CIVIL ENGINEERING, vol.34, no.8, pp.1027-1028, 2007 (SCI-Expanded)
- V. **Characteristics of free overfall for supercritical flows**  
Tokyay N. D., Yidiz D.  
CANADIAN JOURNAL OF CIVIL ENGINEERING, vol.34, no.2, pp.162-169, 2007 (SCI-Expanded)
- VI. **Numerical simulation of A-type hydraulic jumps at positive steps**  
Sakarya A. B., TOKYAY N.  
Canadian Journal of Civil Engineering, vol.27, no.4, pp.805-813, 2000 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Hydraulic Jump at an Abrupt Drop**  
TOKYAY N., GÜR Z.  
Turkish J of Engineering and Environmental Science, vol.14, no.2, pp.215-230, 1990 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **A NUMERICAL AND EXPERIMENTAL STUDY ON THE CHARACTERISTICS OF HYDRAULIC JUMPS ON ROUGH BEDS**  
Velioglu D., TOKYAY N., Dincer A. E.

36th IAHR World Congress, Delft, Netherlands, 28 June - 03 July 2015, pp.3605-3613

- II. **Interface Manning Roughness Coefficients for Compound Channels**  
TOKYAY N., KAYATÜRK U.  
11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 25 October 2014
- III. **Current Perspectives on Dam Safety in Turkey**  
ŞİMŞEK Ç., TOKYAY N.  
8th ICOLD European Club Symposium, Innsbruck, Austria, 22 - 23 September 2010, pp.147-152
- IV. **Water Surface Profiles in Compound Channels**  
TOKYAY N., BİRİSOY O.  
River Flow 2, The Int. Conf. on Fluvial Hydraulics, İzmir, Turkey, 3 - 05 September 2008
- V. **Nehir Rejimindeki Açık Kanal Akımlarında Düşülerde Oluşan Yersel Enerji Kayıpları**  
ALTAN SAKARYA A. B., TOKYAY N.  
3. Ulusal Su Mühendisliği Sempozyumu, İzmir, Turkey, 10 - 13 September 2007, pp.153-160
- VI. **Sel Rejimi Akımlarda Düşü Derinliği**  
TOKYAY N., YILDIZ D.  
2. Ulusal Su Mühendisliği Sempozyumu, İzmir, Turkey, 21 - 24 September 2005, pp.255-262
- VII. **Yamula Barajı ve HES Hidrolik Model Çalışmaları**  
YILMAZ B., ALTAN SAKARYA A. B., GÖĞÜŞ M., ÖNDER H., AYDIN İ., TOKYAY N.  
II. Ulusal Su Mühendisliği Sempozyumu, İzmir, Turkey, 21 - 24 September 2005, pp.281-291
- VIII. **Effect of Channel Bed Corrugations on Hydraulic Jump**  
TOKYAY N.  
EWRI Water and Environmental Resources Congress, Anchorage, United States Of America, 15 - 19 May 2005
- IX. **Local Losses at a Step in a Subcritical Open Channel Flow**  
TOKYAY N., ALTAN SAKARYA A. B., ÖRSEL S. İ.  
Advances in Civil Engineering, İstanbul, Turkey, 6 - 08 December 2004, vol.3, pp.1398-1406
- X. **Interface Manning Roughness Coefficient for Compound Channels**  
TOKYAY N., KAYATÜRK U.  
12th Scientific Convention of Engineering and Architecture, CCIA 2004, Havana, Cuba, 30 November - 03 December 2004
- XI. **Computation of Discharge and Critical Depth in Compound Channels**  
TOKYAY N.  
2nd Int. Conf. on River Flood Hydraulics, York, Sierra Leone, 22 - 25 March 1994, vol.2, pp.393-404
- XII. **Discharge and Critical Depth in Compound Channels**  
TOKYAY N., TUNÇOK K. İ.  
Advances in Civil Engineering 1st Technical Congress, Gazi Magosa, Cyprus (Kktc), 25 - 27 October 1993, vol.2, pp.788-796

## Metrics

Publication: 19

Citation (WoS): 30

Citation (Scopus): 31

H-Index (WoS): 4

H-Index (Scopus): 4