

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea de HIDROTEHNICA GEODEZIE SI INGINERIA MEDIULUI
Departamentul de AMENAJARI SI CONSTRUCTII HIDROTEHNICE

Concurs pentru ocuparea postului de Conferentiar, poz. 5 din Statul de funcții

Disciplinele postului: *Amenajari Hidrotehnice si hidroameliorative; Constructii hidrotehnice - complemente*

TEMATICA DE CONCURS
pentru postul de Conferentiar, poz. 5

1. Amenajari hidrotehnice
2. Baraje de greutate
3. Baraje arcuite
4. Baraje din materiale locale - anrocamente
5. Baraje din materiale locale - pamant
6. Alte tipuri de baraje de greutate (baraje cu rosturi largite, baraje precomprimate)
7. Evacuatori de apa
8. Disipatori de energie
9. Supravegherea constructiilor hidrotehnice, aparatura de masura
10. Sisteme de irigatii
11. Rețele de conducte sub presiune
12. Sisteme de desecare drenaj
13. Amenajari hidroameliorative complexe

Bibliografie

1. Priscu, R. (1982) *Constructii hidrotehnice* Editura Didactica si Pedagogica, Bucuresti 1982
2. Popovici A. (1992) *Baraje pentru alimentari cu apa* Editura Tehnica bucuresti 1992
3. D. Dumitrescu, R., A., Pop s.a. (1970) *Manualul inginerului hidrotehnician*
4. Macarevici L., Manolovici M., Cotiusca D., (1983) *Mecanica rocilor si constructii hidroenergetice*, IP Iasi
5. Stematiu, D. (2008) *Amenajari Hidroenergetice* Editura Conspress Bucuresti 2008
6. Stematiu, D. (2018) *Accidente si incidente la constructii hidrotehnice* Editura Agir Bucuresti 2018
7. Certousov, M.D. (1966) *Hidraulica curs special* Editura Tehnica Bucuresti 1966
8. Grisin, M.M. (1952) *Constructii hidrotehnice* Editura Tehnica, Bucuresti 1958
9. Novak P., s.a. (2010) *Hydraulic Structures* fourth edition E&FN Spon New York
10. Hancu D. (2004) *Prize de apa si aductiuni* Editura MatrixRom 2004
11. Stephens T. (2010) *Manual on small earth dams* Editura FAO Roma (2010)
12. United States Society on Dams (2011) *Materials for Embankment Dams* Editura USSD 2011
13. Almog E. (2011) *Modes of dam failure and monitorig and measuring techniques* Editura Environment Agency Bristol (2011)
14. Avella S. (1993) *An Analysis of a orldwide status for monitorig and analisis of dam deformation*
15. Interagency Committe on dam safety (2015) *Evaluation and Monitoring of Seepage and Internal Erosion* , editura FEMA (2015)

16. Anghel G. (1963) Metode de calcul al stabilitatii si rezistentei constructiilor hidrotehnice Editura I.P.Timisoara (1963)
17. Pietraru V. (1973) Calculul infiltratiilor Editura Ceres (1973)
18. Dumitrescu D. (1972) Disiparea energiei si disipatori de energie Editura Tehnica (1972)
19. Nicolau C. (1977) Executarea constructiilor pentru lucrarile de imbunatatiri funciare Editura Ceres 1977
20. Dascalescu N. (1983) Baraje de joasa cadere Editura Ceres 1983
21. Ioan N.G. (1963) Constructii hidrotehnice in lucrari de hidroamelioratii Editura Agro – Silvica 1963

Decan,

Director departament



Prof.dr.ing. Florian STATESCU

Conf.dr.ing. Costel Boariu

TECHNICAL UNIVERSITY GHEORGHE ASACHI OF IAȘI
Faculty of Hydro technical Eng., Geodesy and Environmental Eng.
Department of Hydro technical engineering and hydraulic structures
Contest for the post of *Associate professor*, item 5 of the positions and
Disciplines: *Hydrotechnical and hydromeliorative arrangements; Hydrotechnical structures - complements*

CONTEST TOPICS
for the position of **Associate Professor** pos. 5

1. *Hydrotechnical arrangements*
2. *Gravity dams*
3. *Arch dams*
4. Dams from local materials - stone
5. Baraje din materiale locale - earth
6. Other types of gravity dams
7. Water discharges
8. Energy dissipators
9. Surveillance of hydro-technical constructions, measuring equipment
10. Irrigation systems
11. Underpressor piping networks
12. Drainage systems
13. Complex hydro-amelioration arrangements

Bibliography

1. Priscu, R. (1982) *Constructii hidrotehnice* Publishing house Didactica si Pedagogica, Bucuresti 1982
2. Popovici A. (1992) Baraje pentru alimentari cu apa Publishing house Tehnica bucuresti 1992
3. D. Dumitrescu, R.,A., Pop s.a. (1970) *Manualul inginerului hidrotehnician*
4. Macarevici L., Manolovici M., Cotiusca D.,(1983) *Mecanica rocilor si constructii hidroenergetice*, IP Iasi
5. Stematiu, D. (2008) *Amenajari Hidroenergetice* Publishing house Conspress Bucuresti 2008
6. Stematiu, D. (2018) *Accidente si incidente la constructii hidrotehnice* Publishing house Agir Bucuresti 2018
7. Certousov, M.D. (1966) *Hidraulica curs special* Publishing house Tehnica Bucuresti 1966
8. Grisin, M.M. (1952) *Constructii hidrotehnice* Publishing house Tehnica, Bucuresti 1958
9. Novak P., s.a. (2010) *Hydraulic Structures* fourth edition E&FN Spon New York
10. Hancu D. (2004) *Prize de apa si aductiuni* Publishing house MatrixRom 2004
11. Stephens T. (2010) *Manual on small earth dams* Publishing house FAO Roma (2010)
12. United States Society on Dams (2011) *Materials for Embankment Dams* Publishing house USSD 2011
13. Almog E. (2011) *Modes of dam failure and monitorig and measuring techniques* Publishing house Environment Agency Bristol (2011)
14. Avella S. (1993) *An Analysis of a orldwide status for monitorig and analisis of dam deformation*

15. Interagency Committee on dam safety (2015) Evaluation and Monitoring of Seepage and Internal Erosion , Publishing house FEMA (2015)
16. Anghel G. (1963) Metode de calcul al stabilitatii si rezistentei constructiilor hidrotehnice Publishing house I.P.Timisoara (1963)
17. Pietraru V. (1973) Calculul infiltratiilor Publishing house Ceres (1973)
18. Dumitrescu D. (1972) Disiparea energiei si disipatori de energie Publishing house Tehnica (1972)
19. Nicolau C. (1977) Executarea constructiilor pentru lucrarile de imbunatatiri funciare Publishing house Ceres 1977
20. Dascalescu N. (1983) Baraje de joasa cadere Publishing house Ceres 1983
21. Ioan N.G. (1963) Constructii hidrotehnice in lucrari de hidroamelioratii Publishing house Agro – Silvica 1963

Dean,

Head of the Department,



Phd. Professor Florian STATESCU

Phd. Associate Professor Costel Boariu