



UvA-DARE (Digital Academic Repository)

Inclusive development and multilevel transboundary water governance

The Kabul River

Hayat, S.

[Link to publication](#)

Creative Commons License (see <https://creativecommons.org/use-remix/cc-licenses/>):
CC BY-NC

Citation for published version (APA):

Hayat, S. (2020). *Inclusive development and multilevel transboundary water governance: The Kabul River.*

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

REFERENCES

References

- Aamir, A.: Mehrgarh: The Hidden Archeological Treasure – Balochistan Point, 24th July [online] Available from: <http://thebalochistanpoint.com/mehrgarh-the-hidden-archeological-treasure/> (Accessed 17 August 2018), 2015.
- Abbas, H., Hussain, A., Shafique, S. and Hassan, W. U.: Inland Navigation - An Instrument of Peace and Prosperity in Shared Basins, 32, 2018.
- Abbass, Z.: Climate change, poverty and environmental crisis in the disaster prone areas of Pakistan, *Oxfam Policy Pract. Clim. Change Resil.* 5(3), 1–96, 2009.
- Abdalla, A.: Principles of Islamic interpersonal conflict intervention: a search within Islam and western literature, *J. Law Relig.*, 15, 151–184, 2001.
- Abdallah, S., Thompson, S. and Marks, N.: Estimating worldwide life satisfaction, *Ecol. Econ.*, 65(1), 35–47, 2008.
- Abdelzaher, D. M., Kotb, A. and Helfaya, A.: Eco-Islam: Beyond the Principles of Why and What, and Into the Principles of How, *J. Bus. Ethics*, 1–21, 2017.
- Abderrahman, W. A.: Application of Islamic Legal Principles for Advanced Water Management, *Water Int.*, 25(4), 513–518, doi:10.1080/02508060008686865, 2000.
- Abdolvand, B., Mez, L., Winter, K., Mirsaeedi-Gloßner, S., Schütt, B., Rost, K. T. and Bar, J.: The dimension of water in Central Asia: security concerns and the long road of capacity building, *Environ. Earth Sci.*, 73(2), 897–912, 2015.
- Abdullah, M. and Nadvi, M. J.: Understanding the Principles of Islamic World-View., *Dialogue Pak.*, 6(3), 2011.
- Abumoghli, I.: Sustainable development in Islam, Retrieved [Httppeboo Browse Comsustainable-Dev.-Islam.-Law-Iyadabumoghli-Doc-D30254102](http://www.comsustainable-dev.-Islam.-Law-Iyadabumoghli-Doc-D30254102), 2010.
- Acevedo-Whitehouse, K. and Duffus, A. L.: Effects of environmental change on wildlife health, *Philos. Trans. R. Soc. B Biol. Sci.*, 364(1534), 3429–3438, 2009.
- Adams-Jack, U.: Rethinking the South African Crisis. Nationalism, Populism, Hegemony, Taylor & Francis., 2015.
- Afzal, M.: Population growth and economic development in Pakistan, *Open Demogr. J.*, 2(1), 2009.

- Agardy, T., Alder, J., Dayton, P., Curran, S., Kitchingman, A., Wilson, M., Catenazzi, A., Restrepo, J., Birkeland, C. and Blaber, S. J. M.: Coastal systems, 2005.
- Agyenim, J. B.: Investigating institutional arrangements for integrated water resource management in developing countries: The case of White Volta Basin, Ghana, 2011.
- Ahmad, M. and Farooq, U.: The state of food security in Pakistan: Future challenges and coping strategies, *Pak. Dev. Rev.*, 903–923, 2010.
- Ahmad, M. and Wasiq, M.: Water resource development in Northern Afghanistan and its implications for Amu Darya Basin, The World Bank., 2004.
- Ahmad, M., Latif, Z., Tariq, J. A., Akram, W. and Rafique, M.: INVESTIGATION OF ISOTOPES AND HYDROLOGICAL PROCESSES IN INDUS RIVER SYSTEM, PAKISTAN, , 30, 2009.
- Ahmad, O.: Afghanistan’s coming water crisis, Third Pole [online] Available from: <https://www.thethirdpole.net/en/2016/10/24/afghanistans-coming-water-crisis/> (Accessed 13 January 2019), 2016.
- Ahmad, S.: Towards Kabul Water Treaty: Managing Shared Water Resources–Policy Issues and Options, IUCN Karachi Pak., 15 [online] Available from: https://cmsdata.iucn.org/downloads/pk_ulr_d3_1.pdf (Accessed 4 January 2016), 2010.
- Ahmadullah, R. and Dongshik, K.: Assessment of Potential Dam Sites in the Kabul River Basin Using GIS, *Int. J. Adv. Comput. Sci. Appl.*, 6(2), doi:10.14569/IJACSA.2015.060213, 2015.
- Ahmadzai, S. and McKinna, A.: Afghanistan electrical energy and trans-boundary water systems analyses: Challenges and opportunities, *Energy Rep.*, 4, 435–469, 2018.
- Ahmed, R. and Mustafa, U.: Impact of CPEC projects on agriculture sector of Pakistan: Infrastructure and agricultural output linkages, *Pak. Inst. Dev. Econ. PIDE Islamabad Pak.*, 2014.
- Ahmed, S.: Indigenous water harvesting systems in Pakistan, *Water Resour. Res. Inst. WRI Natl. Agric. Res. Cent. NARC Islamabad Pak.*, 2000.
- Ahmed, T., Scholz, M., Al-Faraj, F. and Niaz, W.: Water-related impacts of climate change on agriculture and subsequently on public health: A review for generalists with particular reference to Pakistan, *Int. J. Environ. Res. Public Health*, 13(11), 1051, 2016.
- Ahmed, V., Abbas, A. and Ahmed, S.: Public Infrastructure and Economic Growth in Pakistan: A Dynamic CGE-Micro Simulation Analysis, *Infrastruct. Econ. Growth Asia*, 117, 2013.

- Aich, V., Akhundzadah, N., Knuerr, A., Khoshbeen, A., Hattermann, F., Paeth, H., Scanlon, A. and Paton, E.: Climate Change in Afghanistan Deduced from Reanalysis and Coordinated Regional Climate Downscaling Experiment (CORDEX)—South Asia Simulations, *Climate*, 5(2), 38, doi:10.3390/cli5020038, 2017.
- Akbari, A. M., Chornack, M. P., Coplen, T. B., Emerson, D. G., Litke, D. W., Mack, T. J., Plummer, N., Verdin, J. P. and Verstraeten, I. M.: Water Resources Availability in Kabul, Afghanistan, in AGU Fall Meeting Abstracts., 2008.
- Akhtar, F.: Water availability and demand analysis in the Kabul River Basin, Afghanistan, 2017.
- Akhtar, F., Awan, U. K., Tischbein, B. and Liaqat, U. W.: Assessment of Irrigation Performance in Large River Basins under Data Scarce Environment—A Case of Kabul River Basin, Afghanistan, *Remote Sens.*, 10(6), 972, doi:10.3390/rs10060972, 2018.
- Akhtar, N., Saeed, K. and Khan, S.: Current status of Mammals in District Buner Khyber Pakhtunkhwa, Pakistan, *Int. J. Mol. Evol. Biodivers.*, 4(4), 2014.
- Akhtar, S. M. and Iqbal, J.: Assessment of emerging hydrological, water quality issues and policy discussion on water sharing of transboundary Kabul River, *Water Policy*, wp2017119, 2017.
- Alaerts, G. J.: Institutional arrangements, *Water Pollut. Control*, 219–244, 1997.
- Alahuhta, J., Joensuu, I., Matero, J., Vuori, K.-M. and Saastamoinen, O.: Freshwater ecosystem services in Finland, 2013.
- Alam, U., Sahota, P. and Jeffrey, P.: Irrigation in the Indus basin: A history of unsustainability?, *Water Sci. Technol. Water Supply*, 7(1), 211–218, doi:10.2166/ws.2007.024, 2007.
- Alberti, M., Asbjornsen, H., Baker, L. A., Brozovic, N., Drinkwater, L. E., Drzyzga, S. A., Jantz, C. A., Fragoso, J., Holland, D. S. and Kohler, T. T. A.: Research on coupled human and natural systems (CHANS): approach, challenges, and strategies, *Bull. Ecol. Soc. Am.*, 92(2), 218–228, 2011.
- Alcamo, J., Henrichs, T. and Rösch, T.: World water in 2025: Global modeling and scenario analysis for the world commission on water for the 21st century, 2017.
- ALEP: Afghanistan Legal Education Project (ALEP). [online] Available from: https://www-cdn.law.stanford.edu/wp-content/uploads/2016/03/ALEP-Law-of-Afghanistan-3d-Ed_English.pdf (Accessed 20 November 2018), 2011.
- Alexy, R.: On the structure of legal principles, *Ratio Juris*, 13(3), 294–304, 2000.

- Ali, A. and Shaoliang, Y.: Highland rangelands of Afghanistan: Significance, management issues, and strategies, *High-Alt. Rangel. Their Interfaces Hindu Kush Himalayas*, 15, 2013.
- Ali, Y. A.: Understanding Pashtunwali, *The Nation*, 8th June [online] Available from: <https://nation.com.pk/06-Aug-2013/understanding-pashtunwali> (Accessed 10 August 2017), 2013.
- Al-Jayyousi, O. R.: Greywater reuse: towards sustainable water management, *Desalination*, 156(1–3), 181–192, 2003.
- Allan, J. A.: Virtual water-the water, food, and trade nexus. Useful concept or misleading metaphor?, *Water Int.*, 28(1), 106–113, 2003.
- Allen, L., Christian-Smith, J. and Palaniappan, M.: Overview of greywater reuse: the potential of greywater systems to aid sustainable water management, *Pac. Inst.*, 654, 19–21, 2010.
- Alpa, G.: General principles of law, *Ann Surv Intl Comp L*, 1, 1, 1994.
- Andersson, K.: Sanitation, wastewater management and sustainability: from waste disposal to resource recovery, *UN Environmental Programme Global Programme of Action for the protection of*, 2016.
- Andonova, L. B., Betsill, M. M. and Bulkeley, H.: Transnational climate governance, *Glob. Environ. Polit.*, 9(2), 52–73, 2009.
- Andreatta, F. and Koenig-Archibugi, M.: Which synthesis? Strategies of theoretical integration and the neorealist-neoliberal debate, *Int. Polit. Sci. Rev.*, 31(2), 207–227, 2010.
- Angelakis, A. and Zheng, X.: Evolution of water supply, sanitation, wastewater, and stormwater technologies globally, *Multidisciplinary Digital Publishing Institute.*, 2015.
- Angelakis, A. N. and Rose, J. B.: Evolution of sanitation and wastewater technologies through the centuries, *IWA Publishing.*, 2014.
- Angelakis, A. N., Chiotis, E., Eslamian, S. and Weingartner, H.: *Underground Aqueducts Handbook*, CRC Press., 2016.
- Angelakis, A. N., Asano, T., Bahri, A., Jimenez, B. E. and Tchobanoglous, G.: Water reuse: from ancient to modern times and the future, *Front. Environ. Sci.*, 6, 26, 2018.
- Angeles, L.: Income inequality and colonialism, *Eur. Econ. Rev.*, 51(5), 1155–1176, 2007.

- Angoua, E. L. E., Dongo, K., Templeton, M. R., Zinsstag, J. and Bonfoh, B.: Barriers to access improved water and sanitation in poor peri-urban settlements of Abidjan, Côte d'Ivoire, *PloS One*, 13(8), e0202928, 2018.
- Antoniou, G., De Feo, G., Fardin, F., Tamburrino, A., Khan, S., Tie, F., Reklaityte, I., Kanetaki, E., Zheng, X. and Mays, L.: Evolution of toilets worldwide through the millennia, *Sustainability*, 8(8), 779, 2016.
- Antunes, S. and Camisão, I.: *Realism*, E-International Relations Publishing., 2017.
- Anwar, A. A. and Bhatti, M. T.: Pakistan's water apportionment Accord of 1991: 25 years and beyond, *J. Water Resour. Plan. Manag.*, 144(1), 05017015, 2017.
- Arfanuzzaman, M. and Syed, M. A.: Water demand and ecosystem nexus in the transboundary river basin: a zero-sum game, *Environ. Dev. Sustain.*, 20(2), 963–974, 2018.
- Armah, F. A., Yawson, D. O., Yengoh, G. T., Odoi, J. O. and Afrifa, E. K.: Impact of floods on livelihoods and vulnerability of natural resource dependent communities in Northern Ghana, *Water*, 2(2), 120–139, 2010.
- Ashbolt, N. J.: Microbial contamination of drinking water and disease outcomes in developing regions, *Toxicology*, 198(1–3), 229–238, 2004.
- Asimov, M. S.: *History of Civilizations of Central Asia*, Motilal Banarsidass Publ., 1999.
- Awesti, A.: The European Union, New institutionalism and types of multi-level governance, *Polit. Perspect.*, 1(2), 1–23, 2007.
- Azam, S.: KABUL RIVER TREATY: A NECESSITY FOR PEACE-N-SECURITY BETWEEN AFGHANISTAN AND PAKISTAN, AND PEACE IN SOUTH ASIA, *Gomal Univ. J. Res.*, 31(2), 2015.
- Aziz, K.: Need for a Pak-Afghan Treaty on Management of Joint Water Courses, *Criterion Q.*, 2(4), 18, 2013.
- Azizi, P. M.: Special Lecture on Water Resources in Afghanistan, , 10, 2007.
- Bache, I. and Flinders, M.: Multi-level governance and the study of the British state, *Public Policy Adm.*, 19(1), 31–51, 2004.
- Badie, B., Berg-Schlosser, D. and Morlino, L.: *International encyclopedia of political science*, Sage., 2011.

-
- Badrudin, A.: A Muslim majority Indus Valley Civilization?, DAWN.COM, 22nd June [online] Available from: <http://www.dawn.com/news/728611> (Accessed 15 November 2018), 2012.
- Bakker, M. H. and Duncan, J. A.: Future bottlenecks in international river basins: where transboundary institutions, population growth and hydrological variability intersect, *Water Int.*, 42(4), 400–424, 2017.
- Ball, A. and Craig, R.: Using neo-institutionalism to advance social and environmental accounting, *Crit. Perspect. Account.*, 21(4), 283–293, 2010.
- Bandaragoda, D. J.: A framework for institutional analysis for water resources management in a river basin context, IWMI., 2000.
- Banerjee, A. and Iyer, L.: History, institutions, and economic performance: The legacy of colonial land tenure systems in India, *Am. Econ. Rev.*, 95(4), 1190–1213, 2005.
- Banting, E.: *Afghanistan: The People*, Crabtree Publishing Company., 2003.
- Barandat, J. and Kaplan, A.: International water law: regulations for cooperation and the discussion of the international water convention, in *Water in the Middle East*, pp. 11–30, Springer., 1998.
- Barfield, T.: *1 Afghan Customary Law and Its Relationship to Formal Judicial Institutions*, 2003.
- Barfield, T.: Culture and custom in nation-building: law in Afghanistan, *Me Rev*, 60, 347, 2008.
- Barlow, M.: *Blue covenant: The global water crisis and the coming battle for the right to water*, McClelland & Stewart., 2009.
- Barlow, M. and Clarke, T.: *Blue gold: the battle against corporate theft of the world's water*, Routledge., 2017.
- Barnett, T. P., Adam, J. C. and Lettenmaier, D. P.: Potential impacts of a warming climate on water availability in snow-dominated regions, *Nature*, 438(7066), 303, 2005.
- Barraqué, B.: *Urban Water Conflicts: UNESCO-IHP*, CRC Press., 2011a.
- Barraqué, B.: *Urban Water Conflicts: UNESCO-IHP*, CRC Press., 2011b.
- Barrett, C. B., Lee, D. R. and McPeak, J. G.: Institutional arrangements for rural poverty reduction and resource conservation, *World Dev.*, 33(2), 193–197, 2005.

- Bassiouni, M. C. and Rothenberg, D.: An assessment of justice sector and rule of law reform in Afghanistan and the need for a comprehensive plan, in Conference on the Rule of Law in Afghanistan, Rome, vol. 2, pp. 1101–78., 2007.
- Basu, A. and Shankar, U.: Balancing of competing rights through sustainable development: role of Indian judiciary, *Jindal Glob. Law Rev.*, 6(1), 61–72, 2015.
- Bates, B., Kundzewicz, Z. and Wu, S.: Climate change and water, Intergovernmental Panel on Climate Change Secretariat., 2008.
- Bates, R. H. and Block, S. A.: Revisiting African agriculture: institutional change and productivity growth, *J. Polit.*, 75(2), 372–384, 2013.
- Bavinck, M. and Gupta, J.: Legal pluralism in aquatic regimes: a challenge for governance, *Curr. Opin. Environ. Sustain.*, 11, 78–85, 2014.
- Baxter, P. and Jack, S.: Qualitative case study methodology: Study design and implementation for novice researchers, *Qual. Rep.*, 13(4), 544–559, 2008.
- BBC: The Afghans forced to go home, , 28th August [online] Available from: <https://www.bbc.com/news/world-asia-37163857> (Accessed 25 January 2019), 2016.
- Benda- Beckmann, F. von: Legal pluralism and social justice in economic and political development, *IdS Bull.*, 32(1), 46–56, 2001.
- Bergdolt, J., Sharvelle, S. and Roesner, L.: Estimation of graywater constituent removal rates in outdoor free-water-surface wetland in temperate climate, *J. Environ. Eng.*, 139(5), 766–771, 2012.
- Berkes, F.: Rethinking community- based conservation, *Conserv. Biol.*, 18(3), 621–630, 2004.
- Bernard, N.: Multilevel governance in the European Union, Springer., 2002.
- Bhaduri, A., Manna, U., Barbier, E. and Liebe, J.: Climate change and cooperation in transboundary water sharing: an application of stochastic Stackelberg differential games in Volta river basin, *Nat. Resour. Model.*, 24(4), 409–444, 2011.
- Bhutta, M. N. and Smedema, L. K.: One hundred years of waterlogging and salinity control in the Indus valley, Pakistan: a historical review, *Irrig. Drain. J. Int. Comm. Irrig. Drain.* 56(S1), S81–S90, 2007.

- Bibi, S., Khan, R. U., Nazir, R., Khan, P., Rehman, H. U., Shakir, S. K., Naz, S., Waheed, M. A. and Jan, R.: Heavy Metals Analysis in Drinking Water of Lakki Marwat District, KPK, Pakistan, *World Appl. Sci. J.*, 34(1), 15–19, 2016.
- Birnie, P. W. and Boyle, A. E.: *International law and the environment*. 1994.
- Biswas, A.: *Durand Line: History, Legality & Future*, , 56, 2013.
- Biswas, A. K.: Cooperation or conflict in transboundary water management: case study of South Asia, *Hydrol. Sci. J.*, 56(4), 662–670, 2011.
- Bjelica, J. and Ruttig, T.: The State of Aid and Poverty in 2018 in Afghanistan | Afghanistan Analysts Network, [online] Available from: <https://www.afghanistan-analysts.org/the-state-of-aid-and-poverty-in-2018-a-new-look-at-aid-effectiveness-in-afghanistan/> (Accessed 27 January 2019), 2018.
- Boelens, R.: The politics of disciplining water rights, *Dev. Change*, 40(2), 307–331, 2009.
- Bokhari, S. A. A., Ahmad, B., Ali, J., Ahmad, S., Mushtaq, H. and Rasul, G.: Future Climate Change Projections of the Kabul River Basin Using a Multi-model Ensemble of High-Resolution Statistically Downscaled Data, *Earth Syst. Environ.*, 2(3), 477–497, 2018.
- Booth, K.: *Realism and world politics*, Routledge London., 2011.
- Bortolotti, L. and Antrobus, M.: Costs and benefits of realism and optimism, *Curr. Opin. Psychiatry*, 28(2), 194, 2015.
- Bos, K. and Gupta, J.: Inclusive development, oil extraction and climate change: a multilevel analysis of Kenya, *Int. J. Sustain. Dev. World Ecol.*, 23(6), 482–492, 2016.
- Boyd, J. and Banzhaf, S.: What are ecosystem services? The need for standardized environmental accounting units, *Ecol. Econ.*, 63(2–3), 616–626, 2007.
- Brady, D., Blome, A. and Kleider, H.: How politics and institutions shape poverty and inequality, *Oxf. Handb. Soc. Sci. Poverty*, 117, 2016.
- Brasseur, B. L.: *Recognizing the Durand Line - A Way Forward for Afghanistan and Pakistan?* 24, 2011.
- Braulik, G. T.: *Conservation ecology and phylogenetics of the Indus River dolphin (Platanista gangetica minor)*, University of St Andrews., 2012.

- Braulik, G. T., Arshad, M., Noureen, U. and Northridge, S. P.: Habitat fragmentation and species extirpation in freshwater ecosystems; causes of range decline of the Indus River Dolphin (*Platanista gangetica minor*), *PloS One*, 9(7), e101657, 2014.
- Braun, C. L. and Smirnov, S. N.: Why is water blue? *J. Chem. Educ.*, 70, 612–612, 1993.
- Braune, E. and Adams, S.: Regional diagnosis for the sub-Saharan Africa region. Groundwater governance—A global framework for action, GEF, UNESCO-IHP, FAO, World Bank and IAHS. www.groundwatergovernance.org, 2013.
- Briscoe, W. J., Qamar, U., Contijoch, M., Amir, P. and Blackmore, D.: Pakistan's Water Economy: Running Dry, , 140, 2005.
- Brochmann, M. and Gleditsch, N. P.: Shared rivers and conflict—A reconsideration, *Polit. Geogr.*, 31(8), 519–527, 2012.
- Brochmann, M. and Hensel, P. R.: The effectiveness of negotiations over international river claims, *Int. Stud. Q.*, 55(3), 859–882, 2011.
- Brohi, N.: Women, Violence and Jirgas, 47, 2016.
- Brower, C. N. and Sharpe, J. K.: International arbitration and the Islamic world: The third phase, *Am. J. Int. Law*, 97(3), 643–656, 2003.
- Brown, C.: Greywater Recycling: Risks, benefits, costs and policy, in 49th NZWWA annual conference: Whose water. 2007.
- Brown, C.: Structural realism, classical realism and human nature, *Int. Relat.*, 23(2), 257–270, 2009.
- Bulmer, S. J.: New institutionalism and the governance of the Single European Market, *J. Eur. Public Policy*, 5(3), 365–386, 1998.
- Burby, R. J. and May, P. J.: Intergovernmental Environmental Planning: Addressing the Commitment Conundrum, *J. Environ. Plan. Manag.* 41(1), 95–110, 1998.
- Burki, S. J.: Economics of Pak-Afghan Relations, , 15, 2013.
- Campbell, J.: A dry and ravaged land: Investigating water resources in Afghanistan, *EARTH Mag.* [online] Available from: <https://www.earthmagazine.org/article/dry-and-ravaged-land-investigating-water-resources-afghanistan> (Accessed 27 January 2019), 2015.

- Capoccia, G.: When do institutions “bite”? Historical institutionalism and the politics of institutional change, *Comp. Polit. Stud.*, 49(8), 1095–1127, 2016.
- Caponera, D. A.: Patterns of cooperation in international water law: Principles and institutions, *Nat. Resour. J.*, 25(3), 563–587, 1985.
- Caponera, D. A.: Ownership and transfer of water and land in Islam, *Water Manag. Islam*, 94–102, 2001.
- Caravella, K. D.: Mimetic, coercive, and normative influences in institutionalization of organizational practices: The case of distance learning in higher education, Florida Atlantic University., 2011.
- Carberry, S. and Faizy, S.: Afghanistan’s Forests A Casualty Of Timber Smuggling, NPR.org [online] Available from: <https://www.npr.org/2013/03/18/174200911/afghanistans-forests-a-casualty-of-timber-smuggling> (Accessed 25 February 2018), 2013.
- Cardoso, P. G., Raffaelli, D., Lillebø, A. I., Verdelhos, T. and Pardal, M. A.: The impact of extreme flooding events and anthropogenic stressors on the macrobenthic communities’ dynamics, *Estuar. Coast. Shelf Sci.*, 76(3), 553–565, 2008.
- Carr, G.: Stakeholder and public participation in river basin management—an introduction, *Wiley Interdiscip. Rev. Water*, 2(4), 393–405, 2015.
- Carr, G. M. and Neary, J. P.: Water quality for ecosystem and human health, UNEP/Earthprint., 2008.
- Cascão, A. E.: Ethiopia—challenges to Egyptian hegemony in the Nile Basin, *Water Policy*, 10(S2), 13–28, 2008.
- Catafago, S.: Restructuring water sector in Lebanon Litani River authority-facing the challenges of good water governance, *Food Secur. Water Scarcity Middle East Probl. Solut.* 2005.
- Chao, F., You, D., Pedersen, J., Hug, L. and Alkema, L.: National and regional under-5 mortality rate by economic status for low-income and middle-income countries: a systematic assessment, *Lancet Glob. Health*, 6(5), e535–e547, 2018.
- Chapagain, A. and Orr, S.: UK Water Footprint: the impact of the UK’s food and fibre consumption on global water resources Volume two: appendices, WWF-UK Godalming, 31–33, 2008.
- China Daily: Economic corridor links China, Pakistan dreams - Business - Chinadaily.com.cn, [online] Available from: http://www.chinadaily.com.cn/business/2013-09/02/content_16937071.htm (Accessed 29 January 2019), 2013.

- Christensen, M.: Judicial Reform in Afghanistan: Towards a Holistic Understanding of Legitimacy in Post-Conflict Societies, *Berkeley J Middle E Islam. L*, 4, 111, 2011.
- Chuadhry, A. G. and Chaudhry, H. U. R.: Development chronicle of Pakistan: A case of colonial legacy, *FWU J. Soc. Sci.*, 6(1), 48, 2012.
- Ciervo, M.: *Geopolitica dell'Acqua.*, Carocci. 2009.
- Collier, A. C.: Pharmaceutical contaminants in potable water: potential concerns for pregnant women and children, *EcoHealth*, 4(2), 164–171, 2007.
- Conti, K. I.: Norms in multilevel groundwater governance and sustainable development, Unpubl. Ph Thesis Univ. Amst. Neth., 2017.
- Conti, K. I. and Gupta, J.: Protected by pluralism? Grappling with multiple legal frameworks in groundwater governance, *Curr. Opin. Environ. Sustain.* 11, 39–47, 2014.
- Corcoran, E.: Sick water?: the central role of wastewater management in sustainable development: a rapid response assessment, *UNEP/Earthprint.*, 2010.
- Cordesman, A. H.: Agriculture, Food, and Poverty in Afghanistan, *Agric. Food Poverty Afghan.* [online] Available from: <https://www.csis.org/analysis/agriculture-food-and-poverty-afghanistan> (Accessed 5 February 2018), 2010.
- Correia, F. N. and da Silva, J. E.: International framework for the management of transboundary water resources, *Water Int.*, 24(2), 86–94, 1999.
- Corvalan, C., Hales, S., McMichael, A. J., Butler, C. and McMichael, A.: Ecosystems and human well-being: health synthesis, *World Health Organization.*, 2005.
- Cosgrove, W. J. and Loucks, D. P.: Water management: Current and future challenges and research directions, *Water Resour. Res.*, 51(6), 4823–4839, 2015a.
- Cosgrove, W. J. and Loucks, D. P.: Water management: Current and future challenges and research directions, *Water Resour. Res.*, 51(6), 4823–4839, 2015b.
- Coulson, N.: *A history of Islamic law*, Routledge. 2017.
- Crawford, S. E. and Ostrom, E.: A grammar of institutions, *Am. Polit. Sci. Rev.*, 89(3), 582–600, 1995.
- Cullet, P.: Governing the Environment without CoPs-The Case of Water, *Intl Comm Rev*, 15, 123, 2013.

- Cullet, P. and Gupta, J.: India: evolution of water law and policy, in *The evolution of the law and politics of water*, pp. 157–173, Springer, 2009.
- Dallas, H. F. and Rivers-Moore, N.: Ecological consequences of global climate change for freshwater ecosystems in South Africa, *South Afr. J. Sci.*, 110(5–6), 01–11, 2014.
- Dankjaer, S. and Taylor, R.: The measurement of water scarcity: Defining a meaningful indicator, *Ambio*, 46(5), 513–531, 2017.
- Dangwal, D. D.: Commercialisation of forests, timber extraction and deforestation in Uttaranchal, 1815-1947, *Conserv. Soc.*, 3(1), 110, 2005.
- Daniel, T. C., Muhar, A., Arnberger, A., Aznar, O., Boyd, J. W., Chan, K. M., Costanza, R., Elmqvist, T., Flint, C. G. and Gobster, P. H.: Contributions of cultural services to the ecosystem services agenda, *Proc. Natl. Acad. Sci.*, 109(23), 8812–8819, 2012.
- Daniell, K. A.: *Co-engineering and participatory water management: organisational challenges for water governance*, Cambridge University Press., 2012.
- Daoudy, M.: Asymmetric power: Negotiating water in the Euphrates and Tigris, *Int. Negot.*, 14(2), 361–391, 2009.
- Daud, M. K., Nafees, M., Ali, S., Rizwan, M., Bajwa, R. A., Shakoor, M. B., Arshad, M. U., Chatha, S. A. S., Deebea, F. and Murad, W.: Drinking water quality status and contamination in Pakistan, *BioMed Res. Int.*, 2017, 2017.
- De Bruyne, C. and Fischhendler, I.: Negotiating conflict resolution mechanisms for transboundary water treaties: A transaction cost approach, *Glob. Environ. Change*, 23(6), 1841–1851, 2013.
- De Sadeleer, N.: *Environmental principles: from political slogans to legal rules*, Oxford University Press on Demand., 2002.
- Deephouse, D. L. and Suchman, M.: Legitimacy in organizational institutionalism, *Sage Handb. Organ. Institutionalism*, 49, 77, 2008.
- Delgado, J. V. and Zwarteveen, M.: Modernity, exclusion and resistance: Water and indigenous struggles in Peru, *Development*, 51(1), 114–120, 2008.
- Dellapenna, J. and Gupta, J.: Toward global law on water, *Glob. Gov. Rev. Multilateralism Int. Organ.*, 14(4), 437–453, 2008.
- Dellapenna, J. W.: The evolution of riparianism in the United States, *Marq Rev*, 95, 53, 2011.

- Dellapenna, J. W. and Gupta, J.: The evolution of global water law, in *The evolution of the law and politics of water*, pp. 3–19, Springer., 2009.
- Dent, D.: Green Water Credits, presentation at the FAO, in *Netherlands Conference on Water for Food and Ecosystems*, The Hague, Netherlands, vol. 31., 2005.
- Díaz, S., Demissew, S., Carabias, J., Joly, C., Lonsdale, M., Ash, N., Larigauderie, A., Adhikari, J. R., Arico, S. and Báldi, A.: The IPBES Conceptual Framework—connecting nature and people, *Curr. Opin. Environ. Sustain.* 14, 1–16, 2015.
- Dimitrov, R. S.: Knowledge, power, and interests in environmental regime formation, *Int. Stud. Q.*, 47(1), 123–150, 2003.
- Dinar, A., Dinar, S., McCaffrey, S. and McKinney, D.: *Bridges Over Water: Understanding Transboundary Water Conflict, Negotiation and Cooperation Second*, World Scientific Publishing Company. 2013.
- Dinar, S.: Negotiations and international relations: a framework for hydropolitics, *Int. Negot.*, 5(2), 375–407, 2000.
- Dinar, S.: Assessing side-payment and cost-sharing patterns in international water agreements: The geographic and economic connection, *Polit. Geogr.*, 25(4), 412–437, 2006.
- Dinar, S.: Scarcity and cooperation along international rivers, *Glob. Environ. Polit.*, 9(1), 109–135, 2009.
- Dirzauskaite, G. and Ilinca, N.: *Understanding Hegemony in International Relations Theories*, Aalborg: Aalborg University. 2017.
- Díaz, S., Tilman, D., Fargione, J., Chapin III, F. S., Dirzo, R. and Kitzberger, T.: Biodiversity regulation of ecosystem services, *Trends Cond.*, 279–329, 2005.
- Dokhani, S. and Ramezani, M.: *Study floodwater spreading systems and solutions to increase their efficiency (Case study watershed Defyh Rafsanjan Iran)*, 2017.
- Dolatyar, M. and Gray, T. S.: The politics of water scarcity in the Middle East, *Environ. Polit.*, 9(3), 65–88, 2000.
- Döll, P., Douville, H., Güntner, A., Schmied, H. M. and Wada, Y.: Modelling freshwater resources at the global scale: challenges and prospects, *Surv. Geophys.* 37(2), 195–221, 2016.
- Dore, J., Lebel, L. and Molle, F.: A framework for analysing transboundary water governance complexes, illustrated in the Mekong Region, *J. Hydrol.*, 466, 23–36, 2012.

- Doris, F., Edward, W., Caroline, T. and Mary, A.: Assessment of the Coping Strategies of Flood Victims in the Builsa District, *Am. J. Environ. Sci. Eng.*, 2(1), 17–25, 2018.
- Douglass, C.: *North, Institutions, institutional change and economic performance*, Cambridge: Cambridge university press. 1990.
- Drieschova, A. and Eckstein, G.: *Cooperative transboundary mechanism*, 2014.
- D'souza, A. and Jolliffe, D.: Food insecurity in vulnerable populations: coping with food price shocks in Afghanistan, *Am. J. Agric. Econ.*, 96(3), 790–812, 2013.
- D'Souza, R.: Water in British India: the making of a 'Colonial Hydrology,' *Hist. Compass*, 4(4), 621–628, 2006.
- Duffield, J.: What are international institutions? *Int. Stud. Rev.*, 9(1), 1–22, 2007.
- Dupree, N. H.: *An Historical Guide to Afghanistan*, Rev. and enl edition. Afghan Air Authority, Afghan Tourist Organization., 1977.
- Duratovic, D.: Spatial hydropolitics between the upstream and the downstream states-A case study of the state, territory and identity formation of the Rogun HPP, 2016.
- Dutton, Y.: *The Origins of Islamic Law: The Qur'an, the Muwatta'and Madinan Amal*, Routledge. 2013.
- Earle, A. and Neal, M. J.: Inclusive transboundary water governance, in *Freshwater governance for the 21st century*, pp. 145–158, Springer. 2017.
- Easter, K. W.: Introduction to the special section on Institutional Arrangements and the Effects on Water Resources, *Water Resour. Res.*, 40(12), 2004.
- Easton, G.: Critical realism in case study research, *Ind. Mark. Manag.* 39(1), 118–128, 2010.
- Eckerberg, K. and Joas, M.: Multi-level Environmental Governance: a concept under stress? *Local Environ.*, 9(5), 405–412, 2004.
- Eckstein, G. and Sindico, F.: The law of transboundary aquifers: many ways of going forward, but only one way of standing still, *Rev. Eur. Comp. Int. Environ. Law*, 23(1), 32–42, 2014.
- Elhance, A. P.: *Hydropolitics in the Third World: Conflict and cooperation in international river basins*, US Institute of Peace Press. 1999.
- Emerton, L. and Bos, E.: *Value: Counting ecosystems as water infrastructure*, *Iucn*. 2004.

- Enderlein, H., Walti, S. and Zurn, M.: Handbook on multi-level governance, Edward Elgar Publishing., 2010.
- Erfurt, P. J.: An assessment of the role of natural hot and mineral springs in health, wellness and recreational tourism. 367, 2011.
- European Commission: EUROPEAN UNION - AFGHANISTAN, , 17, 2012.
- European Union: The positive impact of EU support to Afghanistan's agriculture sector, EEAS - Eur. Comm. [online] Available from: https://eeas.europa.eu/headquarters/headquarters-homepage/60117/positive-impact-eu-support-afghanistans-agriculture-sector_fr (Accessed 28 March 2019), 2019.
- Eynon, K.: Complex Interdependence: Watering Relations Between Ethiopia and Egypt, 2016.
- Falkenmark, M.: Freshwater as shared between society and ecosystems: from divided approaches to integrated challenges, *Philos. Trans. R. Soc. Lond. B Biol. Sci.*, 358(1440), 2037–2049, 2003.
- Falkenmark, M. and Rockström, J.: The new blue and green water paradigm: Breaking new ground for water resources planning and management, *American Society of Civil Engineers.*, 2006.
- Fardin, H. F., Hollé, A., Gautier-Costard, E. and Haury, J.: Sanitation and water management in ancient South Asia, *Evol. Sanit. Wastewater Technol. Centuries*, 43–53, 2014.
- Farooqi, A. B., Khan, A. H. and Mir, H.: Climate change perspective in Pakistan, *Pak. J Meteorol*, 2(3), 2005.
- Faruqui, N. I.: Responding to the water crisis in Pakistan, *Int. J. Water Resour. Dev.*, 20(2), 177–192, 2004.
- Faruqui, N. I., Biswas, A. K. and Bino, M. J.: Water management in Islam, *United Nations University.*, 2001.
- Favre, R. and Kamal, G. M.: Watershed atlas of Afghanistan, working document for planners, parts I and II 1st edn. Kabul: Government of Afghanistan, Ministry of Irrigation, Water Resour. Environ., 60, 2004.
- Finnemore, M. and Sikkink, K.: International norm dynamics and political change, *Int. Organ.*, 52(4), 887–917, 1998.
- Fitzgerald, P. and Gould, E.: Invisible history: Afghanistan's untold story, *City Lights Books.*, 2009.

- Fitzmaurice, M.: Convention on the Law of the Non-Navigational Uses of International Watercourses, *Leiden J. Int. Law*, 10(3), 501–508, doi:10.1017/S0922156597000368, 1997.
- FoDP: A Productive and Water-Secure Pakistan: Infrastructure, Institutions, Strategy, , 196, 2012.
- Foster, S. and Garduño, H.: Groundwater-resource governance: Are governments and stakeholders responding to the challenge?, *Hydrogeol. J.*, 21(2), 317–320, 2013.
- Frey, F. W. and Naff, T.: Water: an emerging issue in the Middle East?, *Ann. Am. Acad. Pol. Soc. Sci.*, 482(1), 65–84, 1985.
- Friend, R. and Thinphanga, P.: Urban water crises under future uncertainties: the case of institutional and infrastructure complexity in Khon Kaen, Thailand, *Sustainability*, 10(11), 3921, 2018.
- Frischmann, P.: Afghanistan Resource Corridor Development: Water Strategy Final Kabul River Basin Report, [online] Available from: <http://documents.worldbank.org/curated/en/599831468196445996/pdf/797210WP0v205-0Box0379789B00PUBLIC0.pdf> (Accessed 25 January 2019), 2012.
- Fritz, D., Miller, U., Gude, A., Pruisken, A. and Rischewski, D.: Making poverty reduction inclusive: Experiences from Cambodia, Tanzania and Vietnam, *J. Int. Dev. J. Dev. Stud. Assoc.*, 21(5), 673–684, 2009.
- Fuller, D. Q.: Harappan seeds and agriculture: some considerations, *Antiquity*, 75(288), 410–414, 2001.
- Furlong, K.: Hidden theories, troubled waters: International relations, the ‘territorial trap’, and the Southern African Development Community’s transboundary waters, *Polit. Geogr.*, 25(4), 438–458, 2006.
- Gada, M. Y.: *Environmental Ethics in Islam: Principles and Perspectives*, , 9, 2014.
- Gadgil, A.: Afghanistan’s Water Crisis, HydrateLife [online] Available from: <https://www.hydratelife.org/afghanistans-water-crisis/> (Accessed 27 January 2019), 2012.
- Galassi, D. M., Lombardo, P., Fiasca, B., Di Cioccio, A., Di Lorenzo, T., Petitta, M. and Di Carlo, P.: Earthquakes trigger the loss of groundwater biodiversity, *Sci. Rep.*, 4, 6273, 2014.
- Gall, C.: *The wrong enemy: America in Afghanistan, 2001–2014*, HMH., 2014.
- Gasparotti, C.: A modern approach of water management in the Danube River Basin, *Manag. Mark.*, 7(4), 777, 2012.

- Gaston, E. and Dang, L.: Addressing Land Conflict in Afghanistan, , 16, 2015.
- Gazdar, H.: A review of migration issues in Pakistan, Refug. Migr. Mov. Res. Unit Bangladesh DFID, 2003.
- Gerlak, A. K. and Schmeier, S.: River basin organizations and the governance of transboundary watercourses, in *The Oxford Handbook of Water Politics and Policy.*, 2016.
- Ghosh, M. and Sinha, B.: Impact of forest policies on timber production in India: a review, in *Natural Resources Forum*, vol. 40, pp. 62–76, Wiley Online Library., 2016.
- Ghulami, M.: Assessment of climate change impacts on water resources and agriculture in data-scarce Kabul basin, Afghanistan, *Université Côte d'Azur.*, 2017.
- Gilli, F.: Islam, water conservation and public awareness campaigns, in 2nd Israeli-Palestinian-international academic conference on water for life, Antalya, pp. 10–14., 2004.
- Gilpin, R.: War is too important to be left to ideological amateurs, *Int. Relat.*, 19(1), 5–18, 2005.
- Gilpin, R. and Palan, R.: *International Political Economy*, Princeton University Press, Princeton., 1987.
- Ginsburg, T. and Huq, A.: What Can Constitutions Do?: The Afghan Case, *J. Democr.*, 25(1), 116–130, 2014.
- Giordano, M. A. and Wolf, A. T.: Sharing waters: Post- Rio international water management, in *Natural Resources Forum*, vol. 27, pp. 163–171, Wiley Online Library., 2003.
- GIZ: Financial Sustainability of International River Basin Organizations. [online] Available from: <https://transboundarywaters.science.oregonstate.edu/sites/transboundarywaters.science.oregonstate.edu/files/Publications/GIZ%202014%20Financing%20International%20River%20Basin%20Organizations.pdf>, 2014.
- Glasbergen, P.: Mechanisms of private meta-governance: an analysis of global private governance for sustainable development, *Int. J. Strateg. Bus. Alliances*, 2(3), 189–206, 2011.
- Gleick, P. H.: Basic water requirements for human activities: Meeting basic needs, *Water Int.*, 21(2), 83–92, 1996.
- Glover, J. L., Champion, D., Daniels, K. J. and Dainty, A. J. D.: An Institutional Theory perspective on sustainable practices across the dairy supply chain, *Int. J. Prod. Econ.*, 152, 102–111, 2014.

- Goddard, S. E. and Nexon, D. H.: The dynamics of global power politics: A framework for analysis, *J. Glob. Secur. Stud.*, 1(1), 4–18, 2015.
- Gohar, A. A., Ward, F. A. and Amer, S. A.: Economic performance of water storage capacity expansion for food security, *J. Hydrol.*, 484, 16–25, 2013.
- Goldstein, A.: *Rising to the challenge: China's grand strategy and international security*, Stanford University Press., 2005.
- Gordon, L. J., Finlayson, C. M. and Falkenmark, M.: Managing water in agriculture for food production and other ecosystem services, *Agric. Water Manag.*, 97(4), 512–519, 2010.
- Gorissen, M.: *The establishment of UNTAC. Power or persuasion?*, 2016.
- Gough, I. and McGregor, J. A.: *Wellbeing in developing countries*, Cambridge University Press., 2007.
- Government of Afghanistan: *Islamic Republic of Afghanistan- National Biodiversity Strategy & Action Plan: Framework for Implementation 2014 - 2017*. [online] Available from: <https://www.cbd.int/doc/world/af/af-nbsap-01-en.pdf> (Accessed 3 March 2018), 2014.
- Grewal, R.: *Five Thousand Years of Urbanization: The Punjab Region*, Manohar Publishers., 2005.
- Griffiths, J. and Lambert, R.: *Free Flow: Reaching Water Security through Cooperation*, Unesco., 2013.
- Griffiths-Sattenspiel, B. and Wilson, W.: *The carbon footprint of water*, River Netw. Portland, 2009.
- Guirdham, M.: *Communicating across cultures at work*, Macmillan International Higher Education., 2011.
- Guo, L., Zhou, H., Xia, Z. and Huang, F.: Evolution, opportunity and challenges of transboundary water and energy problems in Central Asia, *SpringerPlus*, 5(1), 1918, 2016.
- Gupta, J.: 11 Toward Sharing Our Ecospace, *New Earth Polit. Essays Anthr.*, 271, 2016a.
- Gupta, J.: The watercourses convention, hydro-hegemony and transboundary water issues, *Int. Spect.*, 51(3), 118–131, 2016b.
- Gupta, J. and Conti, K.: Global climate change and global groundwater law: their independent and pluralistic evolution and potential challenges, *Water Int.*, 42(6), 741–756, 2017.

- Gupta, J. and Lebel, L.: Access and allocation in earth system governance: Water and climate change compared, *Int. Environ. Agreem. Polit. Law Econ.*, 10(4), 377–395, 2010.
- Gupta, J. and Pahl-Wostl, C.: Global water governance in the context of global and multilevel governance: its need, form, and challenges, *Ecol. Soc.*, 18(4), 2013a.
- Gupta, J. and Pahl-Wostl, C.: Global water governance in the context of global and multilevel governance: its need, form, and challenges, *Ecol. Soc.*, 18(4), 2013b.
- Gupta, J. and Pouw, N.: Towards a trans-disciplinary conceptualization of inclusive development, *Curr. Opin. Environ. Sustain.*, 24, 96–103, 2017.
- Gupta, J. and Vegelin, C.: Sustainable development goals and inclusive development, *Int. Environ. Agreem. Polit. Law Econ.*, 16(3), 433–448, 2016.
- Gupta, J., Van Der Grijp, N. and Kuik, O.: *Climate change, forests and REDD: lessons for institutional design*, Routledge., 2013.
- Gupta, J., Pouw, N. R. and Ros-Tonen, M. A.: Towards an elaborated theory of inclusive development, *Eur. J. Dev. Res.*, 27(4), 541–559, 2015.
- Guzmán-Arias, I. and Calvo-Alvarado, J.: Water Resource Planning in Latin America and the Caribbean, *Rev. Tecnol. En Marcha*, 29, 14–32, 2016.
- Habib, H.: Water related problems in Afghanistan, *Int. J. Educ. Stud.*, 1(3), 137–144, 2014.
- Hajer, M. A.: *The politics of environmental discourse: ecological modernization and the policy process*, Clarendon Press Oxford., 1995.
- Halder, J. N. and Islam, M. N.: Water pollution and its impact on the human health, *J. Environ. Hum.*, 2(1), 36–46, 2015.
- Haleem, M. A.: Water in the Qur'an, *Islam. Q.*, 33(1), 34, 1989.
- Hall, P. A. and Taylor, R. C.: Political science and the three new institutionalisms, *Polit. Stud.*, 44(5), 936–957, 1996.
- Hamed, S. E.-D.: Seeing the environment through islamic eyes: Application of Shariah to natural resources planning and management, *J. Agric. Environ. Ethics*, 6(2), 145–164, 1993.
- Hamid, S. S.: Influence of Western Jurisprudence over Islamic Jurisprudence: A Comparative Study, *North. Univ. J. Law*, 4, 13–26, 2013.

- Hamner, J. H. and Wolf, A. T.: Patterns in international water resource treaties: the transboundary freshwater dispute database, *Colo J Intl Env'tl Pol*, 9, 157, 1998.
- Hanasz, P.: The politics of water security in the Kabul river basin, *Future Dir.*, 10, 2011a.
- Hanasz, P.: The Politics of Water Security in the Kabul River Basin, *Future Dir. Int.* [online] Available from: <http://www.futuredirections.org.au/publication/the-politics-of-water-security-in-the-kabul-river-basin/> (Accessed 26 January 2019b), 2011.
- Hanasz, P.: Muddy Waters: International Actors and Transboundary Water Cooperation in the Ganges-Brahmaputra Problemshed., *Water Altern.*, 10(2), 2017.
- Hanauer, L. and Chalk, P.: India's and Pakistan's Strategies in Afghanistan, RAND corporation., 2012.
- Hanna, E. and Braithwaite, R.: The Greenland ice sheet: A global warming signal?, *Weather*, 58(9), 351–357, 2003.
- Harrison, N. E.: Complexity in world politics: Concepts and methods of a new paradigm, SUNY Press., 2012.
- Haseena, M., Malik, M. F., Javed, A., Arshad, S., Asif, N., Zulfiqar, S. and Hanif, J.: Water pollution and human health., *Environ. Risk Assess. Remediat.*, 1(3), 2017.
- Hashemi, S. M. S., Barari, M. and Bagheri, M., A.: TOWARDS AN INTEGRATED LAND AND WATER RESOURCES GOVERNANCE SYSTEM IN LAKE ZRÊBAR BASIN, IRAN: A COMMUNITY-BASED APPROACH, 2015.
- Hashimi, G.: Helping Afghanistan's Informal Dispute Resolution System Follow Afghan Law in Criminal Matters: What Afghanistan Can Learn from Native American Peacemaking Program, *Mich St Intl Rev*, 25, 77, 2017.
- Hassan, A., Suhid, A., Abiddin, N. Z., Ismail, H. and Hussin, H.: The role of Islamic philosophy of education in aspiring holistic learning, *Procedia-Soc. Behav. Sci.*, 5, 2113–2118, 2010.
- Hassenforder, E. and Barone, S.: Institutional arrangements for water governance, *Int. J. Water Resour. Dev.*, 1–25, 2018.
- ul Hasson, S.: Future water availability from Hindukush-Karakoram-Himalaya Upper Indus Basin under conflicting climate change scenarios, *Climate*, 4(3), 40, 2016.
- Hay, C.: Political analysis: a critical introduction, Macmillan International Higher Education., 2002.

- Hayat, S. and Gupta, J.: Kinds of freshwater and their relations to ecosystem services and human well-being, *Water Policy*, wp2016182, 2016.
- Haydar, S., Arshad, M. and Aziz, J. A.: Evaluation of drinking water quality in urban areas of Pakistan: A case study of Southern Lahore, *Pak. J. Eng. Appl. Sci.*, 2016.
- Hellin, J., Ratner, B. D., Meinzen-Dick, R. and Lopez-Ridaura, S.: Increasing social-ecological resilience within small-scale agriculture in conflict-affected Guatemala, 2018.
- Helmke, G. and Levitsky, S.: Informal institutions and comparative politics: A research agenda, *Perspect. Polit.*, 2(4), 725–740, 2004.
- Hendrickson III, K. E.: *The encyclopedia of the industrial revolution in world history*, Rowman & Littlefield., 2014.
- Hensengerth, O., Dombrowski, I. and Scheumann, W.: Benefit-sharing on dams on shared rivers, 2012.
- Héritier, A.: *Explaining institutional change in Europe*, Oxford University Press., 2007.
- Hessami, E.: Afghanistan's Rivers Could Be India's Next Weapon Against Pakistan, *Foreign Policy*, 13th November [online] Available from: <https://foreignpolicy.com/2018/11/13/afghanistans-rivers-could-be-indias-next-weapon-against-pakistan-water-wars-hydropower-hydrodiplomacy/> (Accessed 27 January 2019), 2018.
- Hessami, E. B.: Afghanistan's Water Plans Complicated by Worried Neighbors, *New Secur. Beat* [online] Available from: <https://www.newsecuritybeat.org/2017/03/afghanistans-water-plans-complicated-worried-neighbors/> (Accessed 26 January 2019), 2017.
- Hoekstra, A. Y., Mekonnen, M. M., Chapagain, A. K., Mathews, R. E. and Richter, B. D.: Global monthly water scarcity: blue water footprints versus blue water availability, *PLoS One*, 7(2), e32688, 2012.
- Hoff, H.: Global water resources and their management, *Curr. Opin. Environ. Sustain.*, 1(2), 141–147, 2009.
- Holman, I. P., Hollis, J. M., Bramley, M. E. and Thompson, T. R. E.: The contribution of soil structural degradation to catchment flooding: a preliminary investigation of the 2000 floods in England and Wales, *Hydrol. Earth Syst. Sci. Discuss.*, 7(5), 755–766, 2003.
- Hooghe, L., Marks, G. and Wilson, C. J.: Does left/right structure party positions on European integration?, *Comp. Polit. Stud.*, 35(8), 965–989, 2002.

- Hooper, B.: Integrated river basin governance, IWA publishing., 2017.
- Hooper, B. P.: Integrated water resources management and river basin governance, *J. Contemp. Water Res. Educ.*, 126(1), 3, 2003.
- Hopwood, B., Mellor, M. and O'Brien, G.: Sustainable development: mapping different approaches, *Sustain. Dev.*, 13(1), 38–52, 2005.
- Horton, J.: What Might it Mean for Political Theory to Be More ‘Realistic’?, *Philosophia*, 45(2), 487–501, 2017.
- Howlett, M.: Managing the “hollow state”: Procedural policy instruments and modern governance, *Can. Public Adm.*, 43(4), 412–431, 2000.
- Huitema, D. and Meijerink, S.: The politics of river basin organizations, *Ecol. Soc.*, 22(2) [online] Available from: <http://www.jstor.org/stable/26270064>, 2017.
- Humphreys, A. R. C.: Kenneth Waltz and the limits of explanatory theory in international relations, University of Oxford., 2007.
- Hunter, P. R., MacDonald, A. M. and Carter, R. C.: Water supply and health, *PLoS Med.*, 7(11), e1000361, 2010.
- Hurlbert, M. and Gupta, J.: The split ladder of participation: a diagnostic, strategic, and evaluation tool to assess when participation is necessary, *Environ. Sci. Policy*, 50, 100–113, 2015.
- Husain, K.: Exclusive: CPEC master plan revealed, *DAWN.COM*, 14th May [online] Available from: <https://www.dawn.com/news/1333101> (Accessed 29 January 2019), 2017.
- Hussain, S. S., Mudasser, M., Sheikh, M. M. and Manzoor, N.: Climate change and variability in mountain regions of Pakistan implications for water and agriculture, *Pak. J. Meteorol.*, 2(4), 2005.
- Hussain, Z.: Sources of Tension in Afghanistan and Pakistan: A Regional Perspective, *CIDOB Policy Res. Proj.*, 2011.
- ICG: China-Pakistan Economic Corridor: Opportunities and Risks, *Int. Crisis Group* [online] Available from: <https://www.crisisgroup.org/asia/south-asia/pakistan/297-china-pakistan-economic-corridor-opportunities-and-risks> (Accessed 29 January 2019), 2018.
- Ikenberry, G.: John and Michael Mastanduno. 2003, *Int. Relat. Theory Asia-Pac.*, 2005.

- Ikenberry, G. J.: The rise of China and the future of the West-Can the liberal system survive, *Foreign Aff*, 87, 23, 2008.
- Ikenberry, G. J.: *Power, order, and change in world politics*, Cambridge University Press., 2014.
- International Law Association: Helsinki rules on the uses of the waters of international rivers, International Law Association., 1967.
- International Law Association: Berlin rules on water resources, in International law association, report of the seventy-first conference, Berlin, pp. 334–480., 2004.
- International Law Commission: Draft articles on the Law of Transboundary Aquifers, [online] Available from: http://legal.un.org/ilc/texts/instruments/english/draft_articles/8_5_2008.pdf (Accessed 25 August 2018), 2008.
- Iqbal, M. S., Dahri, Z. H., Querner, E. P., Khan, A. and Hofstra, N.: Impact of Climate Change on Flood Frequency and Intensity in the Kabul River Basin, *Geosciences*, 8(4), 114, 2018.
- Iqbal, S.: Quantifying the impact of socioeconomic development and climate change on *Escherichia coli* concentrations in the Pakistani Kabul River, Wageningen University., 2017.
- Islam and Tanaka: Impacts of pollution on coastal and marine ecosystems including coastal and marine fisheries and approach for management: a review and synthesis, *Mar. Pollut. Bull.*, 48(7–8), 624–649, 2004.
- Islam, K. K. and Hyakumura, K.: Forestland Concession, Land Rights, and Livelihood Changes of Ethnic Minorities: The Case of the Madhupur Sal Forest, Bangladesh, *Forests*, 10(3), 288, 2019.
- IUCN: 1994-057.pdf, [online] Available from: <https://portals.iucn.org/library/efiles/documents/1994-057.pdf> (Accessed 25 January 2019), 1994.
- IUCN: Biological Diversity in Pakistan. [online] Available from: <https://portals.iucn.org/library/sites/library/files/documents/1997-073.pdf> (Accessed 13 December 2018), 1997.
- IUCN: towards_kabul_water_treaty.pdf. [online] Available from: http://www.cawater-info.net/afghanistan/pdf/towards_kabul_water_treaty.pdf (Accessed 26 January 2019), 2013.
- IWMI: Kabul hosts Afghanistan’s first-ever National Media dialogue on the Indus basin :: IWMI, Int. Water Manag. Inst. IWMI [online] Available from:

<http://www.iwmi.cgiar.org/2016/10/kabul-hosts-the-indus-basin-national-media-dialogue/>
(Accessed 27 January 2019), 2016.

Iyer, R. R.: *Water and the Laws in India*, SAGE Publishing India., 2009.

Jabeen, S., Mahmood, Q., Tariq, S., Nawab, B. and Elahi, N.: Health impact caused by poor water and sanitation in district Abbottabad, *J. Ayub Med. Coll. Abbottabad*, 23(1), 47–50, 2011.

Jackson, R. M., Roe, J. D., Wangchuk, R. and Hunter, D. O.: Estimating snow leopard population abundance using photography and capture- recapture techniques, *Wildl. Soc. Bull.*, 34(3), 772–781, 2006.

Jacobs, I. M.: *The politics of water in Africa: Norms, environmental regions and transboundary cooperation in the Orange-Senqu and Nile Rivers*, A&C Black., 2012.

Jacobs, J. W.: The Mekong River Commission: transboundary water resources planning and regional security, *Geogr. J.*, 168(4), 354–364, 2002.

Jager, N. W.: Transboundary Cooperation in European Water Governance—A set- theoretic analysis of International River Basins, *Environ. Policy Gov.*, 26(4), 278–291, 2016.

Jägerskog, A.: The Sanctioned Discourse æ a Crucial Factor for Understanding Water Policy in the Jordan River Basin, SOAS, University of London, Occas. Pap., (41), 2001.

Jain, R.: In Parched Afghanistan, Drought Sharpens Water Dispute With Iran, *US News World Rep.* [online] Available from: <https://www.usnews.com/news/world/articles/2018-07-16/in-parched-afghanistan-drought-sharpens-water-dispute-with-iran> (Accessed 26 January 2019), 2018.

Jamil, M. A. and Haddad, L.: *A Study on Environmental Issues with Reference to the Qur‘an and the Sunna*, ISESCO., 1999.

Jan, Z., Ali, I. and Khan, S. N.: SOME NEWLY DISCOVERED BRONZE AGE SITES IN THE GOMAL VALLEY, NWFP, PAKISTAN, , 16, 2008.

Janjua, M. Q.: In the Shadow of the Durand Line: Security, Stability, and the Future of Pakistan and Afghanistan. [online] Available from: <https://apps.dtic.mil/dtic/tr/fulltext/u2/a501684.pdf>, 2009.

Jarvis, T. and Wolf, A.: *Managing water negotiations and conflicts in concept and in practice*, *Transbound. Water Manag. Princ. Pract.*, 125–141, 2010.

- Jasanoff, S., Martello, M. L. and Haas, P. M.: *Earthly politics: local and global in environmental governance*, MIT press., 2004.
- Jettmar, K.: *History of civilizations of Central Asia. Volume 1*, JSTOR., 1994.
- Jiménez Cisneros, B. E., Oki, T., Arnell, N. W., Benito, G., Cogley, J. G., Doll, P., Jiang, T. and Mwakalila, S. S.: *Freshwater resources*, 2014.
- Joshi, M.: *Turkmenistan-Afghanistan-Pakistan-India Pipeline, Possibility Pipe Dream*, 2011.
- Juneja, T. and Chaudhary, A.: *Assessment of water quality and its effects on the health of residents of Jhunjhunu district, Rajasthan: A cross sectional study*, *J. Public Health Epidemiol.*, 5(4), 186–191, 2013.
- Jurriens, M., Mollinga, P. P. and Wester, P.: *Scarcity by design: protective irrigation in India and Pakistan*, ILRI., 1996.
- Juuti, P. S., Katko, T. S. and Vuorinen, H. S.: *A brief history of water and health from ancient civilizations to modern times*, Retrieved Dec, 29, 2016, 2016.
- Kagan, R.: *America and Europe in the New World Order*, , 53, 2003.
- Kakakhel, S.: *Afghanistan-Pakistan Treaty on the Kabul River Basin?, Third Pole* [online] Available from: <https://www.thethirdpole.net/en/2017/03/02/afghanistan-pakistan-treaty-on-the-kabul-river-basin/> (Accessed 25 January 2019), 2017.
- Kakakhel, S.: *Agreements and Institutions Related to Shared Rivers within South Asia and Beyond*, in *South Asian Rivers*, pp. 45–67, Springer., 2018.
- Kakoyannis, C. and Stankey, G. H.: *Assessing and evaluating recreational uses of water resources: implications for an integrated management framework.*, Gen Tech Rep PNW-GTR-536 Portland US Dep. Agric. For. Serv. Pac. Northwest Res. Stn. 59 P, 536, 2002.
- Kamal, D., Khan, A. N., Rahman, M. A. and Ahamed, F.: *Study on the physico chemical properties of water of Mouri River, Khulna, Bangladesh*, *Pak. J. Biol. Sci.*, 10(5), 710–717, 2007.
- Kamble, S. M.: *Water pollution and public health issues in Kolhapur city in Maharashtra*, *Int. J. Sci. Res. Publ.*, 4(1), 1–6, 2014.
- Kassim, H. and Le Galès, P.: *Exploring governance in a multi-level polity: A policy instruments approach*, *West Eur. Polit.*, 33(1), 1–21, 2010.

- Kasymov, S.: Water resource disputes: conflict and cooperation in drainage basins, *Int. J. World Peace*, 81–110, 2011.
- Kaura, V.: The Durand Line: A British Legacy Plaguing Afghan-Pakistani Relations, *Middle East Inst.* [online] Available from: <https://www.mei.edu/publications/durand-line-british-legacy-plaguing-afghan-pakistani-relations> (Accessed 26 January 2019), 2017.
- Kawasaki, S., Watanabe, F., Suzuki, S., Nishimaki, R. and Takahashi, S.: Current situation and issues on agriculture of Afghanistan, *J. Arid Land Stud.*, 22(1), 345–348, 2012.
- Kayathwal, M. K. and Kayathwal, M. K.: PAK-AFGHAN RELATIONS : DURAND LINE ISSUE, *Indian J. Asian Aff.*, 7(2), 37–46, 1994.
- Keck, M. E. and Sikkink, K.: Transnational advocacy networks in international and regional politics, *Int. Soc. Sci. J.*, 51(159), 89–101, 1999.
- Kehl, J. R.: Water Security in Transboundary Systems: Cooperation in Intractable Conflicts and the Nile System, *Water Secur. Middle East Essays Sci. Soc. Coop.*, 1, 39, 2017.
- Keithly, D. M.: *The USA and The World 2013*, Rowman & Littlefield., 2013.
- Kenoyer, J. M.: Ancient cities of the Indus valley civilization, *American Institute of Pakistan Studies.*, 1998.
- Kenoyer, J. M.: Cultures and societies of the Indus tradition, *Hist. Roots Mak. _ Aryan*, 21–49, 2006.
- Keohane, R. O.: The demand for international regimes, *Int. Organ.*, 36(2), 325–355, 1982.
- Keohane, R. O.: International institutions: Two approaches, *Int. Stud. Q.*, 32(4), 379–396, 1988.
- Keohane, R. O.: *After hegemony: Cooperation and discord in the world political economy*, Princeton University Press., 2005.
- Keohane, R. O. and Martin, L. L.: The promise of institutionalist theory, *Int. Secur.*, 20(1), 39–51, 1995.
- Kerry, J. F., Boxer, B., Menendez, R., Cardin, B. L., Casey, R. P., Webb, J., Shaheen, J., Coons, C. A., Durbin, R. J., Udall, T., Lugar, R. G., Corker, B., Risch, J. E., Rubio, M., Inhofe, J. M., Demint, J., Carolina, S., Isakson, J., Barrasso, J., Lee, M. and Lowenstein, F. G.: COMMITTEE ON FOREIGN RELATIONS. [online] Available from: <https://www.foreign.senate.gov/imo/media/doc/Senate%20Print%20112->

10%20Avoiding%20Water%20Wars%20Water%20Scarcity%20and%20Central%20Asia%20Afghanistan%20and%20Pakistan.pdf, 2011.

Keys, P., Barron, J. and Lannerstad, M.: Releasing the pressure: water resource efficiencies and gains for ecosystem services, UNEP. 2012.

Khalid, A.: Islam after communism: religion and politics in Central Asia, Univ of California Press., 2014.

Khalid, S., Qasim, M. and Farhan, D.: Hydro-meteorological characteristics of Indus River Basin at extreme north of Pakistan, J Earth Sci Clim Change, 5(1), 2013.

Khan, A.: A review of the wetlands of Afghanistan, , 7, 2006.

Khan, F., Knox, R. and Thomas, K.: West of the Indus: the chronology of settlement in the protohistoric culture phases, with special reference to the Bannu region, , XV [online] Available from: http://journals.uop.edu.pk/papers/AP_v15_119to125.pdf (Accessed 28 July 2019), 2002.

Khan, F. J. and Javed, Y.: Delivering Access to Safe Drinking Water and Adequate Sanitation in Pakistan Working Paper Series 2007: 30. Retrieved 2009., 2007.

Khan, H., Inamullah, E. and Shams, K.: Population, environment and poverty in Pakistan: linkages and empirical evidence, Environ. Dev. Sustain., 11(2), 375–392, 2009.

Khan, H. M.: Islamic Law, Customary Law, and Afghan Informal Justice. 14, 2015.

Khan, M. and Ghouri, A. M.: Environmental pollution: Its effects on life and its remedies, 2011.

Khan, M. and Khan, M.: Water quality characteristics of the Kabul river in Pakistan under high flow conditions, J.-Chem. Soc. Pak., 19, 205–209, 1997.

Khan, M. A.: Introduction to tourism, Anmol. 2005.

Khan, R. S., Nawaz, K., van Steenberg, F., Nizami, A. and Ahmad, S.: THE DRY SIDE OF THE INDUS, [online] Available from: http://metameta.nl/wp-content/uploads/2014/09/Book_Dry_Side_Indus_SF.pdf, 2014.

Khan, S.: Chapter 2: Sanitation and wastewater technologies in Harappa/Indus valley civilization (ca. 2600-1900 BC), Khan Sanit. Wastewater Technol. HarappaIndus Val. Civiliz., 2012.

Khan, S., Shahnaz, M., Jehan, N., Rehman, S., Shah, M. T. and Din, I.: Drinking water quality and human health risk in Charsadda district, Pakistan, J. Clean. Prod., 60, 93–101, 2013.

- Khatoon, R., Hussain, I., Anwar, M. and Nawaz, M. A.: Diet selection of snow leopard (*Panthera uncia*) in Chitral, Pakistan, *Turk. J. Zool.*, 41(5), 914–923, 2017.
- Khuram, I., Barinova, S., Ahmad, N., Ullah, A., Din, S. U., Jan, S. and Hamayun, M.: Ecological assessment of water quality in the Kabul River, Pakistan, using statistical methods, *Oceanol. Hydrobiol. Stud.*, 46(2), 140–153, 2017.
- Kiani, K.: Pakistan, Afghanistan mull over power project on Kunar River, *DAWN.COM*, 26th August [online] Available from: <http://www.dawn.com/news/1038435> (Accessed 7 May 2016), 2013.
- King, M. and Sturtewagen, B.: *Making the Most of Afghanistan's River Basins*, East-West Inst. N. Y., 2010.
- Kipping, M.: Water security in the senegal river basin: water cooperation and water conflicts, in *Facing Global Environmental Change*, pp. 675–684, Springer., 2009.
- Kohler- Koch, B. and Rittberger, B.: The _governance turn'in EU studies, *JCMS J. Common Mark. Stud.*, 44, 27–49, 2006.
- van Koppen, B., Giordano, M., Butterworth, J. and Mapedza, E.: *Community-based water law and water resource management reform in developing countries: rationale, contents and key messages.*, 2007.
- Koremenos, B., Lipson, C. and Snidal, D.: The rational design of international institutions, *Int. Organ.*, 55(4), 761–799, 2001.
- Koskeniemi, M. and Leino, P.: Fragmentation of international law? Postmodern anxieties, *Leiden J. Int. Law*, 15(3), 553–579, 2002.
- Koumparou, D.: The right of thirst: water as a human right and as a commons, *Glob. NEST J.*, 20(3), 637–645, 2018.
- Kraft, M. E. and Furlong, S. R.: *Public policy: Politics, analysis, and alternatives*, Cq Press., 2012.
- Krishna, R. and Salman, S. M.: International groundwater law and the World Bank policy for projects on transboundary groundwater, *World Bank Tech. Pap.*, 163–190, 1999.
- Krishnan, S. and Indu, R.: *Groundwater contamination in India: discussing physical processes, health and socio-behavioral dimensions*, International Water Management Institute., 2006.
- Kromah, L. M.: *The institutional nature of US hegemony: post 9/11.*, 2009.

- Kugelman, M.: *Urbanisation in Pakistan: causes and consequences*, Wash. DC NOREF Nor. Peacebuilding Resour. Cent., 2013.
- Kugle, S. A.: Framed, blamed and renamed: the recasting of Islamic jurisprudence in colonial South Asia, *Mod. Asian Stud.*, 35(2), 257–313, 2001.
- Lacey, A.: The research process, *Res. Process Nurs.*, 13–26, 2010.
- Lahiri, S. K. and Sinha, R.: Tectonic controls on the morphodynamics of the Brahmaputra River system in the upper Assam valley, India, *Geomorphology*, 169, 74–85, 2012.
- Lange, M., Mahoney, J. and Vom Hau, M.: Colonialism and development: a comparative analysis of Spanish and British colonies, *Am. J. Sociol.*, 111(5), 1412–1462, 2006.
- Larigauderie, A. and Mooney, H. A.: The Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services: moving a step closer to an IPCC-like mechanism for biodiversity, *Curr. Opin. Environ. Sustain.*, 2(1–2), 9–14, 2010.
- Laruelle, G. G.: Quantifying nutrient cycling and retention in coastal waters at the global scale. *Geologica Ultraiectina* (312), Departement Aardwetenschappen., 2009.
- Lashkaripour, G. R. and Hussaini, S. A.: Water resource management in Kabul river basin, eastern Afghanistan, *The Environmentalist*, 28(3), 253–260, 2008.
- Lau, M.: Afghanistan’s Legal System and its Compatibility with International Human Rights Standards, [online] Available from: <https://www.refworld.org/pdfid/48a3f02c0.pdf> (Accessed 23 November 2018), 2003.
- Lawson, V.: Reshaping economic geography? Producing spaces of inclusive development, *Econ. Geogr.* 86(4), 351–360, 2010.
- Lead Pakistan: Prospects for Benefit Sharing in the Transboundary Kabul River Basin.pdf, [online] Available from: <http://www.lead.org.pk/lead/Publications/Prospects%20for%20Benefit%20Sharing%20in%20the%20Transboundary%20Kabul%20River%20Basin.pdf> (Accessed 26 January 2019), 2017.
- Lead Pakistan: Shifting From Water Scarcity to Surplus in Pakistan, [online] Available from: <http://www.lead.org.pk/talks/talk20.htm> (Accessed 1 May 2019), 2018.
- Leao, I., Ahmed, M. and Kar, A.: Unlocking the Potential of Agriculture for Afghanistan’s Growth. [online] Available from:

- <https://www.worldbank.org/en/country/afghanistan/publication/unlocking-potential-of-agriculture-for-afghanistan-growth> (Accessed 13 June 2018), 2018.
- Lechner, S.: Why anarchy still matters for International Relations: On theories and things, *J. Int. Polit. Theory*, 13(3), 341–359, 2017.
- Lecours, A.: New institutionalism, *New Institutionalism Theory Pract.*, 3–27, 2005.
- Lee, J. L.: Water management, livestock and the opium economy: social water management, Afghanistan Research and Evaluation Unit., 2006.
- Leeds, B. A.: *The Design and Performance of Regional Institutions*, Blackwell Publishing Ltd Oxford, UK. 2009.
- Leicht, K. T. and Jenkins, J. C.: *Handbook of politics: State and society in global perspective*, Springer. 2009.
- LeMarquand, D. G.: *International rivers: The politics of cooperation*, Westwater Research Centre, University of British Columbia., 1977.
- Levi, M.: A logic of institutional change in Cook, KS and Levi, M. (eds) *The Limits of Rationality*, The University of Chicago Press, Chicago., 1990.
- Levy, B. S. and Sidel, V. W.: *Water rights and water fights: preventing and resolving conflicts before they boil over*, American Public Health Association., 2011.
- Lewis, B.: *Faith and power: Religion and politics in the Middle East*, Oxford University Press., 2010.
- Lewis, J.: *The Council of the European Union and the European Council*, Routledge Handb. Eur. Polit., 2015.
- Lewis, J. and Wiser, R.: *A review of international experience with policies to promote wind power industry development*, Prep. Energy Found. China Sustain. Energy Program, 2005.
- Liao, K.-H.: A theory on urban resilience to floods—a basis for alternative planning practices, *Ecol. Soc.*, 17(4), 2012.
- Link, M. P., Piontek, F., Scheffran, J. and Schilling, J.: Impact of climate change on water conflict and cooperation in the Nile River Basin, *Clim. Change Secur. Trondheim*, 21–24, 2010.

- Liu, J., Dietz, T., Carpenter, S. R., Alberti, M., Folke, C., Moran, E., Pell, A. N., Deadman, P., Kratz, T. and Lubchenco, J.: Complexity of coupled human and natural systems, *science*, 317(5844), 1513–1516, 2007.
- Liu, J., Zehnder, A. J. and Yang, H.: Global consumptive water use for crop production: The importance of green water and virtual water, *Water Resour. Res.*, 45(5), 2009.
- Liu, T. T.-T. and Ming-Te, H.: Hegemonic Stability and Northeast Asia: What Hegemon? What Stability?, *J. Altern. Perspect. Soc. Sci.*, 3(2), 404–418, 2011.
- Loayza, N. and Wada, T.: Public infrastructure trends and gaps in Pakistan, 2012.
- Lopes, P. D.: Governing Iberian Rivers: from bilateral management to common basin governance?, *Int. Environ. Agreem. Polit. Law Econ.*, 12(3), 251–268, 2012.
- López Zavala, M. Á., Castillo Vega, R. and López Miranda, R. A.: Potential of Rainwater Harvesting and Greywater Reuse for Water Consumption Reduction and Wastewater Minimization, *Water*, 8(6), 264, 2016.
- López-Hoffman, L.: Transboundary ecosystem services: a new vision for managing the shared environment of the US and Mexico, *Udall Cent. Stud. Public Policy Univ. Ariz. Environ. Policy Work. Pap. (2)*, 2010.
- Loschmann, C., Parsons, C. R. and Siegel, M.: Does Shelter Assistance Reduce Poverty in Afghanistan? *World Dev.*, 74, 305–322, 2015.
- Lugo, L., Cooperman, A., Bell, J., O'Connell, E. and Stencel, S.: *The world's Muslims: Religion, politics and society*, World, 2013.
- Lukes, S. and Haglund, L.: Power and luck, *Arch. Eur. Sociol. J. Sociol. Arch. Für Soziol.*, 45–66, 2005.
- Lustick, I. S.: *Hegemony and the riddle of nationalism: The dialectics of nationalism and religion in the Middle East*, 2002.
- Luzi, S.: *International River Basins: Management and Conflict Perspectives*, CSS Environ. 2007.
- Mack, T. J.: Afghanistan's Kabul Basin Faces Major Water Challenges. USGS Newsroom, [Httpwww Usgs Govnewsroomarticle Asp ID 2521](http://www.usgs.gov/newsroom/article.asp?id=2521), 2010.
- Macklin, M. G. and Lewin, J.: The rivers of civilization, *Quat. Sci. Rev.*, 114, 228–244, 2015.

- Maddison, A.: *Class structure and economic growth: India and Pakistan since the Moghuls*, Routledge. 2013.
- Mahmood, H. and Chaudhary, A. R.: FDI, population density and carbon dioxide emissions: A case study of Pakistan, Iran. *J. Energy Environ.* 3(4), 354–360, 2012.
- Mahmood, K., Alamgir, A., Khan, M. A., Shaukat, S. S., Anwar, M. and SHERWANI, S. K.: Seasonal variation in water quality of lower Sindh, Pakistan, *FUUAST J. Biol.*, 4(2), 147–156, 2014.
- Majidyar, W.: Afghanistan and Pakistan's Looming Water Conflict, *The Diplomat* [online] Available from: <https://thediplomat.com/2018/12/afghanistan-and-pakistans-looming-water-conflict/> (Accessed 25 January 2019), 2018.
- Majoor, S. and Schwartz, K.: Instruments of urban governance, in *Geographies of Urban Governance*, pp. 109–126, Springer. 2015.
- Malakootian, M. and Nouri, J.: Chemical Variations of Ground Water Affected by the Earthquake in bam region Malakootian, M, *Int. J. Environ. Res.*, 4(3), 443–454, 2010.
- Malik, I.: *State and civil society in Pakistan: Politics of authority, ideology and ethnicity*, Springer. 1996.
- Malyar, I.: *Transboundary water institutions in developing countries: a case study in Afghanistan*, 2016.
- Malyar, I. and Hearn, G.: A Review of Current and Possible Future Relations in Kabul River Basin, *Duran Res. Anal.* [online] Available from: <http://duran.af/a-review-of-current-and-possible-future-relations-in-kabul-river-basin/> (Accessed 26 January 2019), 2014.
- Mangi, H. O.: *Tide Management in the Elbe River and Changes in Ecosystem Services*, *Adv. Ecol.*, 2016, 2016.
- Manuel, M., Lightfoot, D. and Fattahi, M.: The sustainability of ancient water control techniques in Iran: an overview, *Water Hist.*, 10(1), 13–30, 2018.
- Marks, G. and Hooghe, L.: *National identity and support for European integration*, WZB Discussion Paper., 2003.
- Mashal, M.: What Iran and Pakistan Want from the Afghans: Water, Time [online] Available from: <http://world.time.com/2012/12/02/what-iran-and-pakistan-want-from-the-afghans-water/> (Accessed 27 January 2019), 2012.

- Masood, A. and Mushtaq, H.: Spatio-Temporal Analysis of Early Twenty-First Century Areal Changes in the Kabul River Basin Cryosphere, *Earth Syst. Environ.*, 2(3), 563–571, 2018.
- McCaffery, J.: Animals That Have Gone Extinct in the Last 100 Years, *Read. Dig.* [online] Available from: <https://www.rd.com/culture/animals-extinct-last-100-years/> (Accessed 29 November 2018), 2015.
- McCaffrey, S. C.: The harmon doctrine one hundred years later: buried, not praised, *Nat. Resour. J.*, 965–1007, 1996.
- McCaffrey, S. C.: Water, water everywhere, but too few drops to drink: the coming fresh water crisis and international environmental law, *Denv J Intl Pol*, 28, 325, 1999.
- McCarthy, J. and Mustafa, D.: Despite the best intentions? Experiences with water resource management in northern Afghanistan, *Water Post-Confl. Peacebuilding*, 2014.
- McGregor, J. A. and Pouw, N.: Towards an economics of well-being, *Camb. J. Econ.*, 41(4), 1123–1142, 2016.
- McIntosh, M. A.: Early Civilizations of the Indian Subcontinent, [online] Available from: <https://brewminate.com/early-civilizations-of-the-indian-subcontinent/> (Accessed 1 May 2019), 2018.
- McIntyre, O.: *Environmental Protection of International Watercourses under International Law*, 1st ed., Routledge. 2007.
- McIntyre, O.: International Water Resources Law and the International Law Commission Draft Articles on Transboundary Aquifers: A Missed Opportunity for Cross-Fertilisation? *Int. Community Law Rev.*, 13(3), 237–254, doi:10.1163/187197311X582386, 2011.
- McKinney, D. C.: *Transboundary water challenges: case studies*, Cent. Res. Water Resour. Univ. Tex. Austin Google Sch., 2011.
- McLellan, M. and Porter, T.: *News, improved: How America's newsrooms are learning to change*, CQ Press Washington, DC. 2007.
- McMichael, A., Scholes, R., Hefny, M., Pereira, E., Palm, C. and Foale, S.: *Linking ecosystem services and human well-being*, Island Press., 2005.
- McMichael, A. J., Woodruff, R. E. and Hales, S.: Climate change and human health: present and future risks, *The Lancet*, 367(9513), 859–869, 2006.

- McMurray, J. C. and Tarlock, A. D.: The law of later-developing riparian states: the case of Afghanistan, *NYU Env'tl LJ*, 12, 711, 2003.
- MEA, M. E. A.: *Ecosystems and human well-being*, Island Press, Washington, DC. 2005.
- Meagher, T. M.: Jefferson, Madison, Gallatin and the Resourcing of the War of 1812, in *Financing Armed Conflict*, Volume 1, pp. 105–184, Springer., 2017.
- Mearsheimer, J.: *Anarchy and the Struggle for Power*, Realism Read. 179, 2014.
- Mearsheimer, J. J.: *The tragedy of great power politics*, WW Norton & Company., 2001.
- Mearsheimer, J. J.: *Structural realism*, Oxford: Oxford University Press., 2007.
- Mearsheimer, J. J.: *Hollow Victory*, Foreign Policy, 2009.
- Mechlem, K.: *Water as a vehicle for inter-state cooperation: A Legal Perspective*, Food and Agriculture Organization of the United Nations (FAO). Legal Office. 2003.
- Mehari, A., Van Steenberg, F. and Schultz, B.: Modernization of spate irrigated agriculture: A new approach, *Irrig. Drain.* 60(2), 163–173, 2011.
- Mehsud, R.: Understanding __Pashtunwali, ‘ *Express Trib.*, 28th November [online] Available from: <https://tribune.com.pk/story/999733/understanding-pashtunwali/> (Accessed 15 June 2018), 2015.
- Mehta, P.: *CROSSING THE LIMIT: E-WASTE DYNAMICS, IMPACTS, AND LEGISLATION IN INDIA*, *EVERYMAN'S Sci.*, 380, 2016.
- Meir, P., Mencuccini, M., Binks, O., da Costa, A. L., Ferreira, L. and Rowland, L.: Short-term effects of drought on tropical forest do not fully predict impacts of repeated or long-term drought: gas exchange versus growth, *Philos. Trans. R. Soc. B Biol. Sci.*, 373(1760), 20170311, 2018.
- Mekonnen, M. M. and Hoekstra, A. Y.: The green, blue and grey water footprint of crops and derived crop products, *Hydrol. Earth Syst. Sci.*, 15(5), 1577–1600, 2011.
- Menga, F. and Mirumachi, N.: Fostering Tajik hydraulic development: Examining the role of soft power in the case of the Rogun Dam, *Water Altern.*, 9(2), 373–388, 2016.
- Menon, J.: *Unit-9 Case Study of a Major Urban Centre: Mohenjodaro*, IGNOU., 2018.

- Merz, S. K., Evans, R. and Clifton, C. A.: Environmental water requirements to maintain groundwater dependent ecosystems, Environment Australia., 2001.
- Mgquba, S. K. and Majazi, S.: Climate change and its impacts on hydro-politics in transboundary basins: a case study of the Orange-Senqu River basin, *J. Water Clim. Change*, 2018.
- Milligan, S. R., Holt, W. V. and Lloyd, R.: Impacts of climate change and environmental factors on reproduction and development in wildlife, *Philos. Trans. R. Soc. B Biol. Sci.*, 364(1534), 3313–3319, doi:10.1098/rstb.2009.0175, 2009.
- Moench, M.: In *Intensive Use of Groundwater: Challenges and Opportunities*, Abingdon UK Balkema, 2002.
- Mollinga, P. P.: *On the waterfront: Water distribution, technology and agrarian change in a South Indian canal irrigation system*, Orient Blackswan., 2003.
- Montaldo, C. R. B.: *Sustainable development approaches for rural development and poverty alleviation & community capacity building for rural development and poverty alleviation.*, 2013.
- Morris, K.-A.: *Oil, power, and global hegemony*, Stellenbosch: Stellenbosch University., 2015.
- Morris, M. and de Loë, R. C.: Cooperative and adaptive transboundary water governance in Canada's Mackenzie River Basin: status and prospects, *Ecol. Soc.*, 21(1), 2016.
- Mosello, B.: *How to Deal with Climate Change?* Springer., 2015.
- Mosse, D.: Rule and representation: Transformations in the governance of the water commons in British South India, *J. Asian Stud.*, 65(1), 61–90, 2006.
- Mosse, D.: A relational approach to durable poverty, inequality and power, *J. Dev. Stud.*, 46(7), 1156–1178, 2010.
- Mostert, E.: *How can international donors promote transboundary water management?*, German Development Institute, Bonn., 2005.
- Moulherat, C., Tengberg, M., Haquet, J.-F. and Mille, B.: First evidence of cotton at Neolithic Mehrgarh, Pakistan: analysis of mineralized fibres from a copper bead, *J. Archaeol. Sci.*, 29(12), 1393–1401, 2002.
- Mukherjee, A.: Empire: How Colonial India Made Modern Britain, *Econ. Polit. Wkly.*, 73–82, 2010.

- Mukhtarov, F. and Gerlak, A. K.: Epistemic forms of integrated water resources management: towards knowledge versatility, *Policy Sci.*, 47(2), 101–120, 2014.
- Munia, H., Guillaume, J. H. A., Mirumachi, N., Porkka, M., Wada, Y. and Kummu, M.: Water stress in global transboundary river basins: significance of upstream water use on downstream stress, *Environ. Res. Lett.*, 11(1), 014002, 2016.
- Murgai, R., Ali, M. and Byerlee, D.: Productivity growth and sustainability in post–Green Revolution agriculture: the case of the Indian and Pakistan Punjab, *World Bank Res. Obs.*, 16(2), 199–218, 2001.
- Murphy, W. F.: *Constitutional democracy: creating and maintaining a just political order*, JHU Press., 2007.
- Murtaza, G. and Zia, M. H.: Wastewater production, treatment and use in Pakistan, in *Second Regional Workshop of the Project _Safe Use of Wastewater in Agriculture*, pp. 16–18., 2012.
- Mustafa, D.: Colonial law, contemporary water issues in Pakistan, *Polit. Geogr.*, 20(7), 817–837, 2001.
- Nafees, M.: *Environmental Study of Kabul River and its Tributaries in NWFP, Pakistan*, M. Phil Thesis, Department of Environmental Sciences, University of Peshawar, 2004.
- Nafees, M., Ahmad, T. and Arshad, M.: A review of Kabul River uses and its impact on fish and fisherman, *J. Humanit. Soc. Sci. Univ. Peshawar*, 19(2), 73–84, 2011.
- Nafees, M., Shabir, A. and Zahid, U.: Construction of dam on Kabul River and its socio-economic implication for Khyber Pukhtunkhwa, Pakistan, in seminar on –Pak–Afghan Water Sharing Issue, February, vol. 23, p. 2016., 2016.
- Nafees, M., Ahmad, F., Butt, M. N. and Khurshed, M.: Effects of water shortage in Kabul River network on the plain areas of Khyber Pakhtunkhwa, Pakistan, *Environ. Monit. Assess.*, 190(6), 359, 2018.
- Naff, T.: Islamic law and the politics of water, in *The evolution of the law and politics of water*, pp. 37–52, Springer. 2009.
- Naff, T. and Dellapenna, J.: Can there be confluence? A comparative consideration of Western and Islamic fresh water law, *Water Policy*, 4(6), 465–489, 2002.
- Naidoo, S. and Olaniran, A.: Treated wastewater effluent as a source of microbial pollution of surface water resources, *Int. J. Environ. Res. Public. Health*, 11(1), 249–270, 2014.

- Najmuddin, O., Deng, X. and Bhattacharya, R.: The Dynamics of Land Use/Cover and the Statistical Assessment of Cropland Change Drivers in the Kabul River Basin, Afghanistan, *Sustainability*, 10(2), 423, 2018.
- National Water Policy of Pakistan: [online] Available from: <http://waterbeyondborders.net/wp-content/uploads/2018/07/Pakistan-National-Water-Policy-2018.pdf> (Accessed 15 July 2018), 2018.
- NEA, U.: UK National Ecosystem Assessment, 2011, UK Natl. Ecosyst. Assess. Synth. Key Find. UNEP-WCMC Camb. 2011.
- Neal, M. J., Greco, F., Connell, D. and Conrad, J.: The Social-Environmental Justice of Groundwater Governance, in *Integrated Groundwater Management*, pp. 253–272, Springer. 2016.
- Nellemann, C.: The environmental food crisis: the environment's role in averting future food crises: a UNEP rapid response assessment, UNEP/Earthprint., 2009.
- NEPA-Afghanistan: Afghanistan's environment, 2008, National Environmental Protection Agency of the Republic of Afghanistan : United Nations Environment Programme, Kabul. [online] Available from: <http://mom.gov.af/Content/files/UNEP%20Environment%202008.pdf> (Accessed 13 April 2018), 2008.
- Ngan, T. T. T.: Neo-realism and the Balance of Power in Southeast Asia, Pap. Dipresentasikan Untuk Lokakarya Cent. East Eur. Int. Stud. Assoc. Stud. Assoc. CEEISA-ISA, 2016.
- Nijssen, S.: From Dispute to Resolution: Managing Land in Afghanistan, Civ. Mil. Fusion Cent., 2011.
- Nobles, R. and Schiff, D.: Using systems theory to study legal pluralism: what could be gained?, *Law Soc. Rev.*, 46(2), 265–296, 2012.
- Nolan, C. and Trew, A.: Transaction costs and institutions: investments in exchange, *BE J. Theor. Econ.*, 15(2), 391–432, 2015.
- Nordhaus, W. D.: Global Melting? The Economics of Disintegration of the Greenland Ice Sheet, National Bureau of Economic Research. 2018.
- North, D. C.: A transaction cost theory of politics, *J. Theor. Polit.*, 2(4), 355–367, 1990.
- Notezai, M. A.: The lost civilisation of Mehrgarh: A treasure in ruins, DAWN.COM [online] Available from: <https://www.dawn.com/news/1316715> (Accessed 28 July 2019), 2017.

- Nye, J. S.: *Soft power: The means to success in world politics*, Public affairs., 2004.
- Nye Jr, J. S.: The changing nature of world power, in *Power in the Global Information Age*, pp. 61–75, Routledge. 2004.
- Omrani, B.: The Durand Line: History and Problems of the Afghan-Pakistan Border, *Asian Aff.*, 40(2), 177–195, doi:10.1080/03068370902871508, 2009.
- Omrani, B.: The Durand Line: Analysis of the Legal Status of the Disputed Afghanistan-Pakistan Frontier, , 26, 53, 2018.
- Onifade, O. A., Adio-Moses, R., Adigun, J. O., Oguntunji, I. O. and Ogungboye, R. O.: Impacts of flood disaster on sustainable national development in Ibadan North local government, Oyo State, *Arab. J. Bus. Manag. Rev. OMAN Chapter*, 4(2), 139–147, 2014.
- O’Riordan, T. and Jordan, A.: Institutions, climate change and cultural theory: towards a common analytical framework, *Glob. Environ. Change*, 9(2), 81–93, 1999.
- Orme, M., Cuthbert, Z., Sindico, F., Gibson, J. and Bostic, R.: Good transboundary water governance in the 2015 Sustainable Development Goals: a legal perspective, *Water Int.*, 40(7), 969–983, 2015.
- Ostfeld, A., Barchiesi, S., Bonte, M., Collier, C. R., Cross, K., Darch, G., Farrell, T. A., Smith, M., Vicory, A. and Weyand, M.: Climate change impacts on river basin and freshwater ecosystems: some observations on challenges and emerging solutions, *J. Water Clim. Change*, 3(3), 171–184, 2012.
- Ostrom, E.: *The governance challenge: matching institutions to the structure of social-ecological systems*, 2007.
- Oteng-Peprah, M. and Acheampong, M. A.: Greywater Characteristics, Treatment Systems, Reuse Strategies and User Perception—a Review, *Water. Air. Soil Pollut.*, 229(8), 255, 2018.
- Owa, F. W.: Water pollution: sources, effects, control and management, *Int. Lett. Nat. Sci.*, 3, 2014.
- Ozkan, E. and Cetin, H. C.: The Realist and Liberal Positions on the Role of International Organizations in Maintaining World Order, *Eur. Sci. J. ESJ*, 12(17), 2016.
- Pahl-Wostl, C., Craps, M., Dewulf, A., Mostert, E., Tabara, D. and Taillieu, T.: Social learning and water resources management, *Ecol. Soc.*, 12(2), 2007.

- Pai, S. and Sharma, P. K.: New institutionalism and legislative governance in the Indian states: A comparative study of West Bengal and Uttar Pradesh, Centre for the Study of Law and Governance, Jawaharlal Nehru University., 2005.
- Palaniappan, M., Gleick, P. H., Allen, L., Cohen, M. J., Christian-Smith, J., Smith, C. and Ross, N.: Clearing the waters: a focus on water quality solutions, 2010.
- Palka, E. J.: Afghanistan: A Regional Geography. 2001.
- Palthe, J.: Regulative, normative, and cognitive elements of organizations: Implications for managing change, *Manag. Organ. Stud.*, 1(2), 59, 2014a.
- Palthe, J.: Regulative, normative, and cognitive elements of organizations: Implications for managing change, *Manag. Organ. Stud.*, 1(2), 59, 2014b.
- Panara, C.: The sub-national dimension of the EU: A legal study of multilevel governance, Springer., 2015.
- Pascual, U., Balvanera, P., Díaz, S., Pataki, G., Roth, E., Stenseke, M., Watson, R. T., Dessane, E. B., Islar, M. and Kelemen, E.: Valuing nature's contributions to people: the IPBES approach, *Curr. Opin. Environ. Sustain.* 26, 7–16, 2017.
- Pashakhanlou, A. H.: Comparing and contrasting classical realism and Neorealism, *Saatavilla Osoitteessa Httpwww E-Ir Info20090723comparing--Contrasting-Class.--Neo-Realism Luettu*, 10, 2014, 2009.
- Pattberg, P. and Stripple, J.: Beyond the public and private divide: remapping transnational climate governance in the 21st century, *Int. Environ. Agreem. Polit. Law Econ.*, 8(4), 367–388, 2008.
- Pawari, M. J. and Gawande, S.: Ground water pollution & its consequence, *Int. J. Eng. Res. Gen. Sci.*, 3(4), 773–76, 2015.
- Pease, K.-K. S.: International organizations: [perspective on governance in the twenty-first century][eng], Boston, Mass.: Longman., 2012.
- Pendleton, L., Donato, D. C., Murray, B. C., Crooks, S., Jenkins, W. A., Sifleet, S., Craft, C., Fourqurean, J. W., Kauffman, J. B. and Marbà, N.: Estimating global “blue carbon” emissions from conversion and degradation of vegetated coastal ecosystems, *PloS One*, 7(9), e43542, 2012.
- Penuel, K. B., Statler, M. and Hagen, R.: Encyclopedia of crisis management, Sage Publications., 2013.

- Perrings, C., Duraiappah, A., Larigauderie, A. and Mooney, H.: The biodiversity and ecosystem services science-policy interface, *Science*, 331(6021), 1139–1140, 2011.
- Perry, M.: Afghanistan water crisis, prezi.com [online] Available from: <https://prezi.com/ufz5odlced8o/afghanistan-water-crisis/> (Accessed 27 January 2019), 2015.
- Person, R.: Balance of threat: The domestic insecurity of Vladimir Putin, *J. Eurasian Stud.*, 8(1), 44–59, 2017.
- Pervaz, I. and Khan, S.: Brewing Conflict over Kabul River; Policy Options for Legal Framework, [online] Available from: https://ndu.edu.pk/issra/issra_pub/articles/issra-paper/ISSRA_Papers_Vol6_IssueII_2014/03-Brewing-Conflict-over-Kabul-River.pdf (Accessed 26 January 2019), 2014.
- Peters, B. G.: Globalization, institutions and governance, *Gov. Twenty-First Century Revital. Public Serv.*, 29–57, 2000.
- Peters, B. G. and Pierre, J.: Multi-level governance and democracy: a Faustian bargain?, *Multi-Level Gov.*, 75–89, 2004.
- Petersen-Perlman, J. D. and Fischhendler, I.: The weakness of the strong: re-examining power in transboundary water dynamics, *Int. Environ. Agreem. Polit. Law Econ.*, 18(2), 275–294, 2018.
- Petrie, C. A.: Diversity, variability, adaptation and ‘_fagility’ in the Indus Civilization, McDonald Institute for Archaeological Research., 2019.
- Pfeiffer, J.: Traditional Dispute Resolution Mechanisms in Afghanistan and their Relationship to the National Justice Sector, *Verfass. Recht Übersee Law Polit. Afr. Asia Lat. Am.*, 44(1), 81–98, 2011.
- Piattoni, S.: Multi- level governance: a historical and conceptual analysis, *Eur. Integr.*, 31(2), 163–180, 2009.
- Piattoni, S.: The theory of multi-level governance: conceptual, empirical, and normative challenges, Oxford University Press., 2010.
- Pidwirny, M.: The hydrologic cycle, *Fundam. Phys. Geogr.*, 2006.
- Pierre, J. and Peters, G. B.: Governance, politics and the state, 2000.

- Piesse, M.: The Indus River and Agriculture in Pakistan, *Future Dir. Int.* [online] Available from: <http://www.futuredirections.org.au/publication/the-indus-river-and-agriculture-in-pakistan/> (Accessed 27 January 2019), 2015.
- Pingali, P. L.: Green revolution: impacts, limits, and the path ahead, *Proc. Natl. Acad. Sci.*, 109(31), 12302–12308, 2012.
- Pittock, J.: National climate change policies and sustainable water management: conflicts and synergies, *Ecol. Soc.*, 16(2), 2011.
- Possehl, G. L.: *The Indus civilization: a contemporary perspective*, Rowman Altamira., 2002.
- Postel, S. and Richter, B.: *Rivers for life: managing water for people and nature*, Island Press., 2012.
- Postel, S. L., Daily, G. C. and Ehrlich, P. R.: Human appropriation of renewable fresh water, *Science*, 271(5250), 785–788, 1996.
- Powell, E. J.: Islamic law states and peaceful resolution of territorial disputes, *Int. Organ.*, 69(4), 777–807, 2015.
- Powell, E. J. and Staton, J. K.: Domestic judicial institutions and human rights treaty violation, *Int. Stud. Q.*, 53(1), 149–174, 2009.
- Powell, R.: Anarchy in international relations theory: the neorealist-neoliberal debate, *Int. Organ.*, 48(2), 313–344, 1994.
- Pressey, R. and Middleton, M.: Impacts of flood mitigation works on coastal wetlands in New South Wales., *Wetl. Aust.*, 2(1), 2009.
- Price, G.: *Attitudes to water in South Asia*, The Royal Institute of International Affairs, London. [online] Available from: https://www.chathamhouse.org/sites/default/files/field/field_document/20140627WaterSouthAsia.pdf (Accessed 15 December 2018), 2014.
- Puffer, S. M., McCarthy, D. J. and Jaeger, A. M.: Institution building and institutional voids: can Poland's experience inform Russia and Brazil? *Int. J. Emerg. Mark.* 11(1), 18–41, 2016.
- Qasem, J. R.: *PROSPECTS OF WILD MEDICINAL AND INDUSTRIAL PLANTS OF SALINE HABITATS IN THE JORDAN VALLEY*, , 20, 2015.
- Qureshi, A. S.: *Water resources management in Afghanistan: the issues and options*, Iwmi., 2002.

- Qureshi, A. S.: Water management in the Indus basin in Pakistan: challenges and opportunities, *Mt. Res. Dev.*, 31(3), 252–260, 2011.
- Qureshi, A. S.: Water crisis and food security, *The Nation*, 8th July [online] Available from: <https://nation.com.pk/08-Jul-2018/water-crisis-and-food-security> (Accessed 15 December 2018), 2018.
- Raadgever, G. T. and Mostert, E.: Transboundary River Basin Management-State-of-the-art review on transboundary regimes and information management in the context of adaptive management, *NeWater Rep. Ser.*, (10), 2005.
- Radić, V. and Hock, R.: Glaciers in the Earth's hydrological cycle: assessments of glacier mass and runoff changes on global and regional scales, *Surv. Geophys.*, 35(3), 813–837, 2014.
- Rahaman, M. M.: Principles of Transboundary Water Resources Management and Ganges Treaties: An Analysis, *Int. J. Water Resour. Dev.*, 25(1), 159–173, doi:10.1080/07900620802517574, 2009.
- Rahman, A., Ali, M. and Kahn, S.: The British Art of Colonialism in India: Subjugation and Division, *Peace Confl. Stud.*, 25(1), 5, 2018.
- Rajput, M. I.: Inter-Provincial Water Issues in Pakistan, *Pak. Inst. Legis. Dev. Transpar. PILDAT* Retrieved 28th May, 2014.
- Ramachandran, S.: India's Controversial Afghanistan Dams, *The Diplomat* [online] Available from: <https://thediplomat.com/2018/08/indias-controversial-afghanistan-dams/> (Accessed 26 January 2019), 2018.
- Ramay, S. A.: CPEC and the sustainable development it brings to Pakistan, 2018.
- Ranjan, A.: Inter-Provincial water sharing conflicts in Pakistan, *Pak. J. Pak. Stud.*, 4(2), 102–122, 2012a.
- Ranjan, A.: Inter-Provincial water sharing conflicts in Pakistan, *Pak. J. Pak. Stud.*, 4(2), 102–122, 2012b.
- Rao, C. S., Gopinath, K. A., Rao, C. R., Raju, B. M. K., Rejani, R., Venkatesh, G. and Kumari, V. V.: Dryland agriculture in South Asia: Experiences, challenges and opportunities, in *Innovations in Dryland Agriculture*, pp. 345–392, Springer., 2016.
- Rasouli, H., Kayastha, R. B., Bhattarai, B. C., Shrestha, A., Arian, H. and Armstrong, R.: Estimation of Discharge From Upper Kabul River Basin, Afghanistan Using the Snowmelt Runoff Model, *J. Hydrol. Meteorol.* 9(1), 85–94, 2015.

- Rasul, G. and Sharma, B.: The nexus approach to water–energy–food security: an option for adaptation to climate change, *Clim. Policy*, 16(6), 682–702, 2016.
- Ratnagar, S.: A critical view of Marshall’s Mother Goddess at Mohenjo-Daro, *Stud. People’s Hist.*, 3(2), 113–127, 2016.
- Rauniyar, G. P. and Kanbur, R.: Inclusive development: Two papers on conceptualization, application, and the ADB perspective, 2010.
- Raza, S. A., Ali, Y. and Mehboob, F.: Role of agriculture in economic growth of Pakistan, 2012.
- Razzaq, A.: POLICY: WATER SCARCITY MAY DISRUPT PAK-AFGHAN RELATIONS, DAWN.COM, 25th November [online] Available from: <https://www.dawn.com/news/1447512> (Accessed 27 January 2019), 2018.
- Rees, G.: The Role of Power and Institutions in Hydrodiplomacy, [online] Available from: <https://transboundarywaters.science.oregonstate.edu/sites/transboundarywaters.science.oregonstate.edu/files/Publications/Rees%2C%20G%202010%20-%20The%20Role%20of%20Power%20and%20Institutions%20in%20Hydrodiplomacy.pdf> (Accessed 15 July 2016), 2010.
- Rehman, A., Jingdong, L., Shahzad, B., Chandio, A. A., Hussain, I., Nabi, G. and Iqbal, M. S.: Economic perspectives of major field crops of Pakistan: An empirical study, *Pac. Sci. Rev. B Humanit. Soc. Sci.*, 1(3), 145–158, 2015.
- Rehman, F., Muhammad, S., Ashraf, I. and Ruby, T.: Effect of farmers’ socioeconomic characteristics on access to agricultural information: Empirical evidence from Pakistan, *Young* 35, 52, 21–67, 2013.
- Reis, J.: The state and the market: an institutionalist and relational take, *RCCS Annu. Rev. Sel. Port. J. Rev. Crítica Ciênc. Sociais*, (4), 2012.
- Renner, M.: Water Challenges in Central-South Asia, *South Asia*, (4), 10, 2009.
- Renner, M.: Troubled waters: Central and South Asia exemplify some of the planet’s looming water shortages, *World Watch*, 23, 14–20, 2010.
- Renner, M.: Water as a Trans-border Problem of Afghanistan, in *Partners for Stability*, pp. 151–166, Nomos Verlagsgesellschaft mbH & Co. KG., 2013.
- Richter, W. L.: The political dynamics of Islamic resurgence in Pakistan, *Asian Surv.*, 19(6), 547–557, 1979.

- Rieu-Clarke, A.: International law and sustainable development, IWA Publishing., 2005.
- Rignot, E., Mouginot, J. and Scheuchl, B.: Ice flow of the Antarctic ice sheet, *Science*, 333(6048), 1427–1430, 2011.
- Rivera, J.: Institutional pressures and voluntary environmental behavior in developing countries: Evidence from the Costa Rican hotel industry, *Soc. Nat. Resour.*, 17(9), 779–797, 2004.
- Roberts, B. H.: Changes in urban density: its implications on the sustainable development of Australian cities, in *Proceedings of the State of Australian Cities National Conference*, pp. 720–739. 2007.
- Robinson, M. and Ward, R.: Principles of hydrology, McGraw-Hill., 1990.
- Rodríguez-Pose, A.: Do institutions matter for regional development?, *Reg. Stud.*, 47(7), 1034–1047, 2013.
- Rodwan, J. G.: Bottled water 2013: sustaining vitality, *Bottled Water Report.*, 12–22, 2014.
- Rogers, P. and Hall, A. W.: Effective water governance, Global water partnership Stockholm. 2003.
- Roy, T.: Inequality in colonial India, 2018.
- Ruddell, M. and Sanchez, R.: Comparison of the Development of Early Civilizations of Mesopotamia, Egypt, India, China, and Mesoamerica, [online] Available from: <https://rudyruddell.wordpress.com/2012/12/28/comparison-of-the-first-civilizations/> (Accessed 15 September 2018), 2012.
- Russell, R.: American diplomatic realism: A tradition practised and preached by George F. Kennan, *Dipl. Statecraft*, 11(3), 159–182, 2000.
- Rutherford, M.: The old and the new institutionalism: can bridges be built?, *J. Econ. Issues*, 29(2), 443–451, 1995.
- Rutherford, M.: Institutional economics: then and now, *J. Econ. Perspect.* 15(3), 173–194, 2001.
- Rutten, M. and Mwangi, M.: How natural is natural? Seeking conceptual clarity over natural resources and conflicts, *Confl. Nat. Resour. Glob. South–Conceptual Approaches*, 51, 2014.
- Saba, D. S.: Afghanistan: environmental degradation in a fragile ecological setting, *Int. J. Sustain. Dev. World Ecol.*, 8(4), 279–289, 2001.

- Sadeqinazhad, F., Atef, S. S. and Amatya, D.: Benefit-sharing framework in transboundary river basins: the case of the Eastern Kabul River Basin-Afghanistan, *Cent. Asian J. Water Res.*, 4(1), 1–18, 2018.
- Saeed, A.: Kabul River's famous Sher Mahi fish in peril, *Third Pole* [online] Available from: <https://www.thethirdpole.net/en/2018/05/01/kabul-rivers-famous-sher-mahi-fish-in-peril/> (Accessed 25 January 2019), 2018.
- Saeed, B. A., Hassani, S. and Malyar, I.: Transboundary Basin Management under conditions of Latent Conflict: A Multi-Sectoral and Multi-Disciplinary Approach towards the Kabul River Basin. [online] Available from: https://pk.boell.org/sites/default/files/transboundary_basin_managment_kabul_river.pdf (Accessed 26 January 2019), 2016.
- Salahuddin, S.: With war and neglect, Afghans face water shortage, *Reuters*, 24th March [online] Available from: <https://www.reuters.com/article/us-afghanistan-water-idUSTRE62N19Q20100324> (Accessed 27 January 2019), 2010.
- Saleth, R. M. and Dinar, A.: Institutional changes in global water sector: trends, patterns, and implications, *Water Policy*, 2(3), 175–199, 2000.
- Saleth, R. M. and Dinar, A.: Water institutions and sector performance: a quantitative analysis with cross-country data, *World Bank Wash. DC*, 2003.
- Saleth, R. M. and Dinar, A.: The institutional economics of water: a cross-country analysis of institutions and performance, *The World Bank.*, 2004a.
- Saleth, R. M. and Dinar, A.: The institutional economics of water: a cross-country analysis of institutions and performance, *The World Bank.*, 2004b.
- Saleth, R. M. and Dinar, A.: Water institutional reforms in developing countries: Insights, evidences, and case studies, *Econ. Dev. Environ. Sustain. New Policy Options*, 2006.
- Salman, M. A. S. and Uprety, K.: Conflict and Cooperation on South Asia's International Rivers: A Legal Perspective (Washington DC: The World Bank), 2002.
- Salman, S. M.: The Helsinki Rules, the UN Watercourses Convention and the Berlin Rules: perspectives on international water law, *Water Resour. Dev.*, 23(4), 625–640, 2007.
- Salman, S. M.: The human right to water and sanitation: is the obligation deliverable?, *Water Int.*, 39(7), 969–982, 2012.

- Salman, S. M. and Bradlow, D. D.: Regulatory frameworks for water resources management: A comparative study, The World Bank., 2006.
- Saltmarsh, D.: Local Governance in Afghanistan A View from the Ground. [online] Available from: https://reliefweb.int/sites/reliefweb.int/files/resources/Full_Report_1240.pdf, 2011.
- Samim, M.: Afghanistan's Addiction to Foreign Aid, *The Diplomat*, 19, 2016.
- Samim, M. S.: the impact of official development assistance on Agricultural Growth and agricultural Imports in developing countries, 2017.
- Sanchez, J. C. and Roberts, J.: Transboundary Water Governance: Adaptation to Climate Change, IUCN. 2014.
- Sanchez, N. and Gupta, J.: Recent changes in the Nile Region may create an opportunity for a more equitable sharing of the Nile River Waters, *Neth. Int. Law Rev.*, 58(3), 363–385, 2011.
- Sand, P.: *The Effectiveness of Multilateral Environmental Agreements: Theory and Practice*. 2016.
- Santos, C., Matos, C. and Taveira-Pinto, F.: A comparative study of greywater from domestic and public buildings, *Water Sci. Technol. Water Supply*, 14(1), 135–141, 2014.
- Sarfraz, S.: The sub-regional classification of Pakistan's winter precipitation based on principal components analysis, *Pak. J. Meteorol. Vol*, 10(20), 2014.
- Saruchera, D. and Lautze, J.: Measuring transboundary water cooperation: learning from the past to inform the sustainable development goals, *International Water Management Institute (IWMI)*., 2015.
- Sarvilinna, A., Hjerpe, T., Arola, M., Hämäläinen, L. and Jormola, J.: Kaupunkipuron kunnostaminen (Restoring urban brooks). *Environment Guide, Finn. Environ. Inst.*, 76, 2012.
- Sattar, E., Robison, J. A. and McCool, D.: *Evolution of Water Institutions in the Indus River basin: Reflections from the Law of the Colorado River*, 2017.
- Sattar, N.: Land rights in Islam, *DAWN.COM*, 2nd January [online] Available from: <http://www.dawn.com/news/1154522> (Accessed 7 March 2018), 2015.
- Savage, M., Dougherty, B., Hamza, M., Butterfield, R. and Bharwani, S.: Socio-economic impacts of climate change in Afghanistan, *Stockh. Environ. Inst. Oxf. UK*, 2009.

- Schindler, S., O'Neill, F. H., Biró, M., Damm, C., Gasso, V., Kanka, R., van der Sluis, T., Krug, A., Lauwaars, S. G. and Sebesvari, Z.: Multifunctional floodplain management and biodiversity effects: a knowledge synthesis for six European countries, *Biodivers. Conserv.* 25(7), 1349–1382, 2016.
- Schmeier, S.: The Institutional Design of River Basin Organizations – Introducing the RBO Institutional Design Database and its main Findings, , 34, 2012.
- Schmeier, S.: The institutional design of river basin organizations—empirical findings from around the world, *Int. J. River Basin Manag.*, 13(1), 51–72, 2015.
- Schmeier, S., Gerlak, A. K. and Blumstein, S.: Clearing the muddy waters of shared watercourses governance: conceptualizing international River Basin Organizations, *Int. Environ. Agreem. Polit. Law Econ.*, 16(4), 597–619, 2016.
- Schmidt, S. K.: Mutual recognition as a new mode of governance, *J. Eur. Public Policy*, 14(5), 667–681, 2007.
- Schmitter, P. C. and Kim, S.: The experience of European integration and the potential for Northeast Asian integration, 2005.
- Schofer, E., Hironaka, A., Frank, D. J. and Longhofer, W.: Sociological institutionalism and world society, *Wiley-Blackwell Companion Polit. Sociol.*, 33, 57, 2012.
- Schroeder-Wildberg, E.: The 1997 International Watercourses Convention—Background and Negotiations, *Work. Pap. Manag. Environ. Plan. Berl. Tech. Univ.*, 2002.
- Schulze, S.: Public Participation in the Governance of Transboundary Water Resources—Mechanisms provided by River Basin Organizations, *Eur. En Form.* (3), 49–68, 2012.
- Schwarzenbach, R. P., Egli, T., Hofstetter, T. B., Von Gunten, U. and Wehrli, B.: Global water pollution and human health, *Annu. Rev. Environ. Resour.* 35, 109–136, 2010.
- Scott, W. R.: Institutional theory: Contributing to a theoretical research program, *Gt. Minds Manag. Process Theory Dev.*, 37, 460–484, 2005.
- Scott, W. R.: Approaching adulthood: the maturing of institutional theory, *Theory Soc.*, 37(5), 427, 2008a.
- Scott, W. R.: *Institutions and organizations: Ideas and interests*, Sage., 2008b.
- Sedeqinazhad, F., Atef, S. S. and Amatya, D. M.: Benefit-sharing framework in transboundary river basins: the case of the Eastern Kabul River Basin-Afghanistan, , 18, 2018.

- Seegert, J., Berendonk, T. U., Bernhofer, C., Blumensaat, F., Dombrowsky, I., Fuehner, C., Grundmann, J., Hagemann, N., Kalbacher, T. and Kopinke, F.-D.: Integrated water resources management under different hydrological, climatic and socio-economic conditions: results and lessons learned from a transdisciplinary IWRM project IWAS, *Environ. Earth Sci.*, 72(12), 4677–4687, 2014.
- Sehring, J.: Path Dependencies and Institutional Bricolage in Post-Soviet Water Governance. *Water Altern.*, 2(1), 2009.
- Selby, J.: Joint mismanagement: reappraising the Oslo water regime, in *Water Resources in the Middle East*, pp. 203–212, Springer. 2007.
- Selby, J., Dahi, O. S., Fröhlich, C. and Hulme, M.: Climate change and the Syrian civil war revisited, *Polit. Geogr.*, 60, 232–244, 2017.
- Senier, A.: Rebuilding the judicial sector in Afghanistan: the role of customary law, *Al Nakhlah Tufts Univ.*, 2006.
- Shaarawy, S.: The role of customary international water law in settling water disputes by mediation: An examination of the Indus River and Renaissance dam disputes, 2016.
- Shackleton, C., Shackleton, S., Gambiza, J., Nel, E., Rowntree, K. and Urquhart, P.: Links between Ecosystem Services and Poverty Alleviation, *Situat. Anal. Arid Semi-Arid Lands South. Afr. Consort. Ecosyst. Poverty Sub-Sahar. Afr.* 200p, 2008.
- Shaffer, J. G. and Thapar, B. K.: Pre-Indus and early Indus cultures of Pakistan and India, *Hist. Civiliz. Cent. Asia*, 1, 247–281, 1992.
- Shah, S. A.: Valuation of freshwater resources and sustainable management in poverty dominated areas, *Colorado State University. Libraries.* 2014.
- Shah, S. A., Hoag, D. L. and Loomis, J.: Is willingness to pay for freshwater quality improvement in Pakistan affected by payment vehicle? Donations, mandatory government payments, or donations to NGO's, *Environ. Econ. Policy Stud.*, 19(4), 807–818, 2017.
- Shaheen, S., Bibi, Y., Hussain, M., Iqbal, M., Saira, H., Safdar, I., Mehboob, H., Ain, Q. T., Naseem, K. and Laraib, S.: A Review on *Geranium wallichianum* D-Don Ex-Sweet: An Endangered Medicinal Herb from Himalaya Region, *Med. Aromat. Plants*, 06(02), doi:10.4172/2167-0412.1000288, 2017.
- Sharif, H.: Inter Province water distribution conflict in Pakistan, *Rep. Intermedia Part Of*, 2010.

- Sharifi, A., Reshtin, A. and Sijapati, S.: ENSURING SUSTAINABLE FOOD PRODUCTION IN AFGHANISTAN IN SPITE OF CLIMATE CHANGE THROUGH SYSTEMATIC WATER MANAGEMENT, p. 5., 2016.
- Sharma, A. B.: The Indian Forest Rights Act (2006): A Gender Perspective, *ANTYAJAA Indian J. Women Soc. Change*, 2(1), 2017.
- Sheil, D.: Forests, atmospheric water and an uncertain future: the new biology of the global water cycle, *For. Ecosyst.* 5(1), 19, 2018.
- Sheldon, G. W.: The history of political theory: ancient Greece to modern America, Peter Lang., 2003.
- Shiklomanov, I. A.: Assessment of water resources and water availability in the world, *Compr. Assess. Freshw. Re-Sources World*, 1997.
- Shrestha, R. P.: Land degradation in Afghanistan, in Unpublished. [online] Available from: <http://rgdoi.net/10.13140/RG.2.2.19592.06400> (Accessed 28 January 2019), 2007.
- Shrestha, S. and Kazama, F.: Assessment of surface water quality using multivariate statistical techniques: A case study of the Fuji river basin, Japan, *Environ. Model. Softw.* 22(4), 464–475, 2007.
- Shroder, J. F.: Afghanistan, [online] Available from: <http://www.iranica.com/newsite/index.isc?Article=http://www.iranica.com/newsite/articles/v1f5/v1f5a040a.html> (Accessed 17 January 2019), 2006.
- Shroder, J. F. and Ahmadzai, S. J.: Transboundary water resources in Afghanistan: Climate change and land-use implications, Elsevier. 2016.
- Siegert, M. J.: Role of Glaciers and Ice Sheets in Climate and the Global Water Cycle, *Environ. Hydrol. Sci.*, 2006.
- Sigurdsson, H., Stix, J., Houghton, B., McNutt, S. R. and Rymer, H.: *Encyclopedia of Volcanoes* Academic Press, Lond. UK, 186–188, 2000.
- Silsbe, G. and Hecky, R.: Are the Lake Victoria fisheries threatened by exploitation or eutrophication? Towards an ecosystem-based approach to management, *Ecosyst. Approach Fish.* 309, 2008.
- Silvia, S. J. and Stanaitis, M.: Is Economic Hegemony Necessary for Maintaining Open Trade? An Empirical Challenge to the Hegemonic Stability Theory, 2013.

- Singh, D.: Explaining varieties of corruption in the Afghan Justice Sector, *J. Interv. Statebuilding*, 9(2), 231–255, doi:10.1080/17502977.2015.1033093, 2015.
- SIWI: MiCT_SIWI_Orphan-River_Final.pdf, [online] Available from: https://mict-international.org/wp-content/uploads/2016/01/MiCT_SIWI_Orphan-River_Final.pdf (Accessed 26 January 2019), 2015.
- Smith, C.: *A History of Water Rights at Common Law*, JSTOR. 2005.
- Snidal, D.: The limits of hegemonic stability theory, *Int. Organ.*, 39(4), 579–614, 1985.
- Snidal, D.: Relative gains and the pattern of international cooperation, *Am. Polit. Sci. Rev.*, 85(3), 701–726, 1991.
- Söderbaum, P. and Tortajada, C.: Perspectives for water management within the context of sustainable development, *Water Int.*, 36(7), 812–827, 2011.
- Sokile, C. S. and Van Koppen, B.: Local water rights and local water user entities: the unsung heroines of water resource management in Tanzania, *Phys. Chem. Earth Parts ABC*, 29(15–18), 1349–1356, 2004.
- Song, J. and Whittington, D.: Why have some countries on international rivers been successful negotiating treaties? A global perspective, *Water Resour. Res.*, 40(5), 2004.
- Sophocleous, M.: Interactions between groundwater and surface water: the state of the science, *Hydrogeol. J.*, 10(1), 52–67, 2002.
- South China Morning Post: China and Pakistan pave way for ‘economic corridor’ | South China Morning Post, [online] Available from: <https://www.scmp.com/news/china/article/1431218/china-and-pakistan-pave-way-economic-corridor> (Accessed 29 January 2019), 2014.
- Steinmo, S.: Historical institutionalism, *Approaches Methodol. Soc. Sci.*, 118, 2008.
- Steinmo, S., Thelen, K. and Longstreth, F.: *Structuring politics: historical institutionalism in comparative analysis*, Cambridge University Press., 1992.
- Stevens, C. J., Murphy, C., Roberts, R., Lucas, L., Silva, F. and Fuller, D. Q.: Between China and South Asia: A Middle Asian corridor of crop dispersal and agricultural innovation in the Bronze Age, *The Holocene*, 26(10), 1541–1555, 2016.
- Stoa, R. B.: The United Nations Watercourses Convention on the Dawn of Entry Into Force, , 47, 50, 2014.

- Stocker, T.: Climate change 2013: the physical science basis: Working Group I contribution to the Fifth assessment report of the Intergovernmental Panel on Climate Change, Cambridge University Press., 2014.
- Stoecker, R.: Evaluating and rethinking the case study, *Sociol. Rev.*, 39(1), 88–112, 1991.
- Strand, A., Borchgrevink, K. and Harpviken, K. B.: Afghanistan: A Political Economy Analysis: [online] Available from: https://brage.bibsys.no/xmlui/bitstream/handle/11250/2470515/NUPI_rapport_Afghanistan_Strand_Borchgrevink_BergHarpviken.pdf?sequence=2 (Accessed 29 January 2019), 2017.
- Strange, S.: The persistent myth of lost hegemony, *Int. Organ.*, 41(4), 551–574, 1987.
- Strange, S.: Who governs? Networks of power in world society, *Hitotsubashi J. Law Polit.*, 22, 5–17, 1994.
- Stuchtey, B.: Colonialism and imperialism, 1450–1950, *Notes*, 2, 6, 2017.
- Subrahmanyam, G.: Ruling continuities: colonial rule, social forces and path dependence in British India and Africa, *Commonw. Comp. Polit.*, 44(1), 84–117, 2006.
- Suddaby, R., Seidl, D. and Lê, J. K.: Strategy-as-practice meets neo-institutional theory, Sage Publications Sage UK: London, England. 2013.
- Suich, H., Howe, C. and Mace, G.: Ecosystem services and poverty alleviation: a review of the empirical links, *Ecosyst. Serv.*, 12, 137–147, 2015.
- Swyngedouw, E.: Governance innovation and the citizen: the Janus face of governance-beyond-the-state, *Urban Stud.*, 42(11), 1991–2006, 2005.
- Tamanaha, B. Z.: The rule of law and legal pluralism in development, *Hague J. Rule Law*, 3(1), 1–17, 2011.
- Tami, F.: Afghanistan and climate change in the Hindu Kush-Himalayan region - Norwegian Afghanistan Committee, [online] Available from: http://www.afghanistan.no/english/sectors/afghanistan_and_climate_change/index.html (Accessed 20 April 2018), 2013.
- Tariq, S., Ahmad, M. and Mahmood, I.: Climate change impacts on Chitral-Kabul trans-boundary rivers, *Northern Pakistan*, , 2, 2014.
- Tasan-Kok, T. and Vranken, J.: Handbook for Multilevel Urban Governance in Europe, Hague Eur. Urban Knowl. Netw. EUKN, 2011.

- Team, C. W., Pachauri, R. K. and Meyer, L. A.: IPCC, 2014: climate change 2014: synthesis report. Contribution of Working Groups I, II III Fifth Assess. Rep. Intergov. Panel Clim. Change IPCC Geneva Switz., 151, 2014.
- Teufel, N., Markemann, A., Kaufmann, B., Zárate, A. V. and Otte, J.: Livestock production systems in South Asia and the Greater Mekong sub-region, PPLPI Working Paper., 2010.
- The Convention on Biological Diversity, I.: Convention on biological diversity, 1992.
- The DAWN: How the British influenced Indian culture, DAWN.COM [online] Available from: <http://www.dawn.com/news/881307> (Accessed 25 March 2018), 2010.
- The DAWN: Soan River — witness to rise and fall of many civilisations, DAWN.COM, 31st March [online] Available from: <http://www.dawn.com/news/707009> (Accessed 15 July 2018), 2012.
- The DAWN: CPEC and water, DAWN.COM, 21st March [online] Available from: <http://www.dawn.com/news/1246949> (Accessed 29 January 2019), 2016.
- The DAWN: Lack of drinking water, DAWN.COM [online] Available from: <https://www.dawn.com/news/1374724> (Accessed 8 September 2018), 2017.
- The DAWN: Pakistan, Afghanistan urged to sign treaty on Kabul River water, DAWN.COM, 11th October [online] Available from: <https://www.dawn.com/news/1438211> (Accessed 26 January 2019), 2018.
- The Diplomat: The Diplomat, The Diplomat [online] Available from: <https://thediplomat.com/2014/02/%20china-pakistan-flesh-out-new-economic-corridor> (Accessed 29 January 2019), 2014.
- The Express Tribune: Pakistan second-worst on tackling under-five's deaths, Express Trib., 1st February [online] Available from: <https://tribune.com.pk/story/1623402/1-pakistan-second-worst-tackling-fives-deaths/> (Accessed 1 May 2019), 2018.
- The Express Tribune: '9000-year-old Mehrgarh needs to be preserved' | The Express Tribune, , 5th June [online] Available from: <https://tribune.com.pk/story/1966418/1-9000-year-old-mehrgarh-needs-preserved/> (Accessed 28 July 2019), 2019.
- The Government of Afghanistan: Fifth National Report to the United Nation's Convention on Biological Diversity. [online] Available from: <https://www.cbd.int/doc/world/af/af-nr-05-en.pdf> (Accessed 27 January 2019), 2014.
- The Rio Declaration: Rio declaration on environment and development. 1992.

- The Seoul Rules: Seoul Rules on International Groundwaters, in Seoul, Korea: Report of the Sixty-Second Conference Held at Seoul. 1986.
- The Stockholm Declaration: Stockholm declaration on the human environment, *Int Leg. Mater*, 11, 1416, 1972.
- The World Bank: Scoping Strategic Options for Development of the Kabul River Basin A Multisectoral Decision Support System Approach. [online] Available from: http://documents.worldbank.org/curated/en/319391468185978566/pdf/522110ESW0Whit1a_nistan0Final0Report.pdf (Accessed 27 January 2019), 2010.
- The World Bank: The World Bank 2014.pdf, [online] Available from: <http://documents.worldbank.org/curated/en/245541467973233146/pdf/AUS9779-REVISED-WP-PUBLIC-Box391431B-Final-Afghanistan-ASR-web-October-31-2014.pdf> (Accessed 26 January 2019), 2014.
- The World Bank: Afghanistan - Irrigation Restoration and Development Project Proposal to Restructure. [online] Available from: <http://documents.worldbank.org/curated/en/963441467992055040/pdf/PAD1670-REVISED-OUO-9-IDA-R2016-0100-1.pdf> (Accessed 26 January 2019a), 2016.
- The World Bank: AFGHANISTAN TO 2030 PRIORITIES FOR ECONOMIC DEVELOPMENT UNDER FRAGILITY, [online] Available from: <http://documents.worldbank.org/curated/en/156881533220723730/pdf/129161-WP-P157288-Afghanistan-to-2030-PUBLIC.pdf> (Accessed 27 January 2019b), 2016.
- The World Bank: Disaster Risk Profile-Afghanistan. [online] Available from: https://www.gfdr.org/sites/default/files/afghanistan_low_FINAL.pdf (Accessed 15 January 2018), 2017.
- The World Bank: STRENGTHENING HYDROMET AND EARLY WARNING SERVICES IN AFGHANISTAN: A ROAD MAP. [online] Available from: <http://documents.worldbank.org/curated/en/976021545165642530/pdf/133069-WP-P168141-PUBLIC-44684-Roadmap-Afghanistan-Report-Dec17-Digital.pdf> (Accessed 28 February 2019), 2018.
- Thomas, V.: Afghanistan and Pakistan: a decade of unproductive interactions over the Kabul-Indus basin, Third Pole [online] Available from: <https://www.thethirdpole.net/en/2014/07/07/afghanistan-and-pakistan-a-decade-of-unproductive-interactions-over-the-kabul-indus-basin/> (Accessed 27 January 2019), 2014.
- Thomas, V., Azizi, M. A. and Behzad, K.: Developing transboundary water resources: What perspectives for cooperation between Afghanistan, Iran and Pakistan?, , 111, 2016.

- Thomson, E. F., Chabot, P. and Wright, I. A.: Production and marketing of red meat, wool, skins and hides in Afghanistan, Davis CA USA Macauley Res. Consult. Serv. Mercy Corps, 2005.
- Thornton, J. A.: Global International Waters Assessment: Project Number GF/1100-99-01: Terminal Evaluation, UNEP. 2006.
- Thu, H. N. and Wehn, U.: Data sharing in international transboundary contexts: the Vietnamese perspective on data sharing in the Lower Mekong Basin, *J. Hydrol.*, 536, 351–364, 2016.
- Tilly, C.: Big structures, large processes, huge comparisons, Russell Sage Foundation., 1984.
- Tir, J. and M. Stinnett, D.: The Institutional Design of Riparian Treaties: The Role of River Issues. 2011.
- Toft, P.: John J. Mearsheimer: an offensive realist between geopolitics and power, *J. Int. Relat. Dev.*, 8(4), 381–408, 2005a.
- Toft, P.: John J. Mearsheimer: an offensive realist between geopolitics and power, *J. Int. Relat. Dev.*, 8(4), 381–408, 2005b.
- Tokaranyaset, C.: Institution-based resource: Concept and cases, City University London., 2013.
- Toynbee, A. J.: Study of history, Oxford University Press, London. 1946.
- Trigueros, A.: The Human Right to Water: Will Its Fulfillment Contribute to Environmental Degradation? *Indiana J. Glob. Leg. Stud.*, 19(2), 599–625, 2012.
- Tsakatika, M.: The weakness of the neo-institutionalist approaches: how political institutions change, *Sci. Soc. Rev. Polit. Moral Theory*, 13, 135–166, 2004.
- Tsuzuki, Y., Fujii, M., Mochihara, Y., Matsuda, K. and Yoneda, M.: Natural purification effects in the river in consideration with domestic wastewater pollutant discharge reduction effects, *J. Environ. Sci.*, 22(6), 892–897, 2010.
- Tunnermeier, T. and Himmelsbach, T.: Hydrogeology of the Kabul Basin. 52, 2005.
- Tuomela, R.: The philosophy of sociality: The shared point of view, Oxford University Press., 2007.
- Turton, A. and Funke, N.: Hydro-hegemony in the context of the Orange River Basin, *Water Policy*, 10(S2), 51–69, 2008.

- Turton, A. R., Patrick, M. J. and Julien, F.: Transboundary water resources in Southern Africa: conflict or cooperation? *Development*, 49(3), 22–31, 2006.
- Ukkola, A. M. and Prentice, I. C.: A worldwide analysis of trends in water-balance evapotranspiration, *Hydrol. Earth Syst. Sci.*, 17(10), 4177–4187, 2013.
- Ullah, S., Javed, M. W., Shafique, M. and Khan, S. F.: An integrated approach for quality assessment of drinking water using GIS: A case study of Lower Dir., *J. Himal. Earth Sci.*, 47(2), 2014.
- Umar, M., Hussain, M., Murtaza, G., Shaheen, F. A. and Zafar, F.: Ecological Concerns of Migratory Birds in Pakistan: A Review, *Punjab Univ. J. Zool.*, 33(1), 69–76, 2018.
- Umer, K.: Besides infrastructure, manufacturing industry needs big investment, *Express Trib.* [online] Available from: <https://tribune.com.pk/story/1863482/2-besides-infrastructure-manufacturing-industry-needs-big-investment/> (Accessed 29 December 2018), 2018.
- UN Millennium Declaration: United Nations millennium declaration, United Nations, Department of Public Information., 2000.
- UN Water: Coping with water scarcity: challenge of the twenty-first century, Prep. World Water Day, 2007.
- UNAMA: WATER RIGHTS - An Assessment of Afghanistan's Legal Framework Governing Water for Agriculture, [online] Available from: https://unama.unmissions.org/sites/default/files/2016_19_10_water_rights_final_v2.pdf (Accessed 26 January 2019), 2016.
- UNCBD: UNITED NATIONS CONVENTION ON BIOLOGICAL DIVERSITY. [online] Available from: <https://www.cbd.int/doc/legal/cbd-en.pdf> (Accessed 26 January 2019), 1992.
- UNCCD: UNITED NATIONS CONVENTION TO COMBAT DESERTIFICATION, [online] Available from: http://catalogue.unccd.int/936_UNCCD_Convention_ENG.pdf (Accessed 26 January 2019), 1994.
- UNCCD: United Nations Convention to Combat Desertification in Those Countries Experiencing Serious Drought And/or Desertification, Particular in Africa, Secretariat of the United Nations Convention to Combat Desertification. 1999.
- UNDP, U. N. D.: Beyond scarcity: Power, poverty and the global water crisis, Palgrave Macmillan., 2006.

- UNECE: Convention on the Protection and Use of Transboundary Watercourses and International Lakes, United Nations Economic Commission for Europe Geneva. 1992.
- UNECE: CONVENTION ON ACCESS TO INFORMATION, PUBLIC PARTICIPATION IN DECISION-MAKING AND ACCESS TO JUSTICE IN ENVIRONMENTAL MATTERS, [online] Available from: <https://www.unece.org/fileadmin/DAM/env/pp/documents/cep43e.pdf> (Accessed 8 May 2018), 1998.
- UNECE: ECONOMIC COMMISSION FOR EUROPE. 1999.
- UNECE: AMENDMENT TO ARTICLES 25 AND 26 OF THE CONVENTION, [online] Available from: <https://www.unece.org/fileadmin/DAM/env/documents/2004/wat/ece.mp.wat.14.e.pdf> (Accessed 15 August 2018), 2003.
- UNECE: THE GLOBAL OPENING of the 1992 Water Convention. [online] Available from: https://www.unece.org/fileadmin/DAM/env/water/publications/WAT_The_global_opening_of_the_1992_UNECE_Water_Convention/ECE_MP.WAT_43_Rev1_ENGLISH_WEB.pdf (Accessed 7 October 2018), 2016.
- UNEP: Biodiversity Profile of Afghanistan. [online] Available from: https://postconflict.unep.ch/publications/afg_tech/theme_02/afg_biodiv.pdf (Accessed 19 January 2019), 2008.
- UNEP, U. N. E. P. G. P.: Water quality for ecosystem and human health, UNEP GEMSWater Programme Ont., 2006.
- UNESCO: Convention on Wetlands of International Importance especially as Waterfowl Habitat, UNESCO Ramsar, Iran. 1971.
- UNESCO, W.: Water a shared responsibility. The United Nations, World Water Development Report 2, UN-WATER/WWAP/2006/3. Available at: <http://unesdoc.unesco.org/images/0014>. 2006.
- UNFCCC: United Nations framework convention on climate change, United Nations New York., 1992.
- UNGA: Resolution adopted by the General Assembly on 9 September 2014, 2010a.
- UNGA: The human right to water and sanitation, [online] Available from: http://www.cawater-info.net/bk/water_law/pdf/n0947935.pdf (Accessed 13 September 2018b), 2010.

- UNGA: Transforming our world: The 2030 agenda for sustainable development, Resolut. Adopt. Gen. Assem., 2015.
- UNGA-HRC: Human rights and access to safe drinking water and sanitation, [online] Available from: http://www.cawater-info.net/bk/water_law/pdf/g1016309.pdf (Accessed 9 October 2018), 2010.
- UN-Water: Managing water under uncertainty and risk, The United Nations world water development report 4, UN Water Reports, World Water Assessment Programme, UNESCO, Paris, France., 2012.
- UN-WWAP, U. N. W. W. A. P.: The United Nations world water development report 2015: water for a sustainable world, U. N. World Water Assess. Programme, 2015.
- USAID: NEEDS ASSESSMENT ON SOIL AND WATER IN AFGHANISTAN - Future Harvest Consortium to Rebuild Agriculture in Afghanistan. [online] Available from: <https://afghanag.ucdavis.edu/irrigation-natural-resource/files/soil-access-water.pdf> (Accessed 27 January 2019), 2002.
- USAID: A River Runs Through It: Scientific Border Tales from Afghanistan and Pakistan | FrontLines September/October 2017 | U.S. Agency for International Development, [online] Available from: <https://www.usaid.gov/news-information/frontlines/september-october-2017/river-runs-through-it-scientific-border> (Accessed 10 May 2018a), 2017.
- USAID: AGRICULTURE CONSOLIDATED PROJECT APPRAISAL DOCUMENT (PAD), [online] Available from: https://www.usaid.gov/sites/default/files/documents/1871/USAID_Afghanistan_Project_Appraisal_Document_-_Public_Version_2017-04-03.pdf (Accessed 26 January 2019b), 2017.
- USGS, U. S. G. S.: Ice, Snow, and Glaciers: The Water Cycle, [online] Available from: <https://water.usgs.gov/edu/watercycleice.html> (Accessed 25 March 2017), 2018.
- Valli, J.: CSR: Towards a Definition, XinXii. 2015.
- Valters, C.: Theories of change in international development: communication, learning, or accountability, JSRP Pap., 17, 2014.
- Van Noordwijk, M., Namirembe, S., Catacutan, D., Williamson, D. and Gebrekirstos, A.: Pricing rainbow, green, blue and grey water: tree cover and geopolitics of climatic teleconnections, *Curr. Opin. Environ. Sustain.* 6, 41–47, 2014.
- Van Steenberg, F.: Promoting local management in groundwater, *Hydrogeol. J.*, 14(3), 380–391, 2006.

- Van Weert, F. and van der Gun, J.: Saline and brackish groundwater at shallow and intermediate depths: genesis and world-wide occurrence, 39th Int. Assoc. Hydrol. Niagara F. Int. Assoc. Hydrol., 2012.
- Vanham, D.: A holistic water balance of Austria—how does the quantitative proportion of urban water requirements relate to other users? *Water Sci. Technol.*, 66(3), 549–555, 2012.
- Vaux, H.: Water for agriculture and the environment: the ultimate trade-off, *Water Policy*, 14(S1), 136–146, 2012.
- Vedrine, H. and Moisi, D.: *France in an Age of Globalization*. Washington, DC Brook, 2001.
- Vedung, E. and Van der Doelen, F. C.: *The sermon: Information programs in the public policy process: Choice, effects and evaluation*, 1998.
- Veeman, T. S. and Politylo, J.: The role of institutions and policy in enhancing sustainable development and conserving natural capital, *Environ. Dev. Sustain.*, 5(3–4), 317–332, 2003.
- Vella, P. S.: A theoretical model for inclusive economic growth in Indian Context, *Int. J. Humanit. Soc. Sci.*, 4(13), 229, 2014.
- Vick, M. J.: The Senegal River Basin: A retrospective and prospective look at the legal regime, *Nat. Resour. J.*, 211–243, 2006.
- Vick, M. J.: Steps towards an Afghanistan–Pakistan water-sharing agreement, *Int. J. Water Resour. Dev.*, 30(2), 224–229, 2014a.
- Vick, M. J.: Steps towards an Afghanistan–Pakistan water-sharing agreement, *Int. J. Water Resour. Dev.*, 30(2), 224–229, 2014b.
- Vihervaara, P., Kumpula, T., Tanskanen, A. and Burkhard, B.: Ecosystem services—A tool for sustainable management of human–environment systems. Case study Finnish Forest Lapland, *Ecol. Complex.*, 7(3), 410–420, 2010.
- Vijge, M. J.: The promise of new institutionalism: explaining the absence of a World or United Nations Environment Organisation, *Int. Environ. Agreem. Polit. Law Econ.*, 13(2), 153–176, 2013.
- Villholth, K. G., Tøttrup, C., Stendel, M. and Maherry, A.: Integrated mapping of groundwater drought risk in the Southern African Development Community (SADC) region, *Hydrogeol. J.*, 21(4), 863–885, 2013.

- Violatti, C.: Indus Valley Civilization, *Anc. Hist. Encycl.* [online] Available from: https://www.ancient.eu/Indus_Valley_Civilization/ (Accessed 13 May 2018), 2013.
- Visalli, D.: Afghanistan: the legacy of the British Empire. A brief history, *Glob. Res.*, 2013.
- Vlek, C. and Steg, L.: ? Human Behavior and Environmental Sustainability: Problems, Driving Forces, and Research Topics, *J. Soc. Issues*, 63(1), 1–19, doi:10.1111/j.1540-4560.2007.00493.x, 2007.
- Vogtmann, H. and Dobretsov, N.: Environmental Security and Sustainable Land Use - with Special Reference to Central Asia, Springer Science & Business Media., 2006.
- Voinea, E.: Realism Today, *E-Int. Relat. Stud.*, 2013.
- Vörösmarty, C. J. and Sahagian, D.: Anthropogenic disturbance of the terrestrial water cycle, *AIBS Bull.*, 50(9), 753–765, 2000.
- Vörösmarty, C. J., McIntyre, P. B., Gessner, M. O., Dudgeon, D., Prusevich, A., Green, P., Glidden, S., Bunn, S. E., Sullivan, C. A. and Liermann, C. R.: Global threats to human water security and river biodiversity, *Nature*, 467(7315), 555, 2010.
- Voudouris, K., Valipour, M., Kaiafa, A., Zheng, X. Y., Kumar, R., Zanier, K., Kolokytha, E. and Angelakis, A.: Evolution of water wells focusing on Balkan and Asian civilizations, *Water Supply*, 19(2), 347–364, 2019.
- Walker, P.: The World's Most Dangerous Borders, *Foreign Policy* [online] Available from: <https://foreignpolicy.com/2011/06/24/the-worlds-most-dangerous-borders/> (Accessed 11 December 2018), 2011.
- Wall, D. H. and Nielsen, U. N.: Biodiversity and ecosystem services: is it the same below ground, *Nat. Educ. Knowl.*, 3(12), 8, 2012.
- Waltz, K. N.: *Theory of international politics*, Waveland Press., 2010.
- Wang, P., Yu, J., Zhang, Y. and Liu, C.: Groundwater recharge and hydrogeochemical evolution in the Ejina Basin, northwest China, *J. Hydrol.*, 476, 72–86, 2013.
- Wang, W., Lu, H., Yang, D., Sothea, K., Jiao, Y., Gao, B., Peng, X. and Pang, Z.: Modelling hydrologic processes in the Mekong River Basin using a distributed model driven by satellite precipitation and rain gauge observations, *PloS One*, 11(3), e0152229, 2016.

- Waqas, U., Malik, M. I. and Khokhar, L. A.: Conservation of Indus River Dolphin (*Platanista gangetica minor*) in the Indus River system, Pakistan: an overview, *Rec Zool Surv Pak*, 21, 82–85, 2012.
- Wardak, A.: Building a post-war justice system in Afghanistan, *Crime Law Soc. Change*, 41(4), 319–341, 2004.
- Warner, J.: More sustainable participation? Multi-stakeholder platforms for integrated catchment management, *Water Resour. Dev.*, 22(1), 15–35, 2006.
- Warner, J. and Zawahri, N.: Hegemony and asymmetry: Multiple-chessboard games on transboundary rivers, *Int. Environ. Agreem. Polit. Law Econ.*, 12(3), 215–229, 2012.
- Warner, J. and Zeitoun, M.: International relations theory and water do mix: A response to Furlong's troubled waters, hydro-hegemony and international water relations, *Polit. Geogr.*, 27(7), 802–810, 2008.
- Warner, J., Sebastian, A. and Empinotti, V.: Claiming (back) the land: the geopolitics of Egyptian and South African land and water grabs, *Ambiente Soc.*, 16(2), 1–24, 2013.
- Warner, J., Zeitoun, M. and Mirumachi, N.: 10. How 'soft' power shapes transboundary water interaction, *Glob. Water Issues Insights*, 51, 2014.
- Warner, J., Mirumachi, N., Farnum, R. L., Grandi, M., Menga, F. and Zeitoun, M.: Transboundary 'hydro- hegemony': 10 years later, *Wiley Interdiscip. Rev. Water*, 4(6), e1242, 2017.
- Warner, J. F.: Contested hydrohegemony: hydraulic control and security in Turkey, *Water Altern.*, 1(2), 271–288, 2008.
- Warraich, A. N.: Durand Line – A Binding International Border, , 19th February [online] Available from: <http://courtingthelaw.com/2016/02/19/commentary/durand-line-a-binding-international-border/> (Accessed 26 January 2019), 2016.
- Waterbury, J. and Whittington, D.: Playing chicken on the Nile? The implications of microdam development in the Ethiopian highlands and Egypt's New Valley Project, in *Natural Resources Forum*, vol. 22, pp. 155–163, Wiley Online Library., 1998.
- Wegerich, K.: Hydro-hegemony in the Amu Darya basin, *Water Policy*, 10(S2), 71–88, 2008.
- Weingast, B. R.: Constitutions as governance structures: The political foundations of secure markets, *J. Institutional Theor. Econ. JITEZeitschrift Für Gesamte Staatswiss.*, 286–311, 1993.

- Weinthal, E., Troell, J. J. and Nakayama, M.: *Water and Post-Conflict Peacebuilding*, Routledge., 2014.
- Weiss, E. and Zohary, D.: The Neolithic Southwest Asian founder crops: their biology and archaeobotany, *Curr. Anthropol.* 52(S4), S237–S254, 2011.
- Weiss, E. B.: *International Environmental Law: Contemporary Issues and the Emergence of a New World Order*, *Geo LJ*, 81, 675, 1992.
- WHO, W. H. O.: *Water quality and health strategy 2013–2020*, World Health Organ. Geneva Switz., 2013.
- WHO/UNICEF, J. W.: *Progress on sanitation and drinking water: 2015 update and MDG assessment*, World Health Organization., 2015.
- Wilhite, D. A., Svoboda, M. D. and Hayes, M. J.: Understanding the complex impacts of drought: A key to enhancing drought mitigation and preparedness, *Water Resour. Manag.* 21(5), 763–774, 2007.
- Wilkinson, J. C.: Muslim land and water law, *J. Islam. Stud.*, 1, 54–72, 1990.
- Williamson, O. E.: The new institutional economics: taking stock, looking ahead, *J. Econ. Lit.*, 38(3), 595–613, 2000.
- Wilson III, E. J.: Hard power, soft power, smart power, *Ann. Am. Acad. Pol. Soc. Sci.*, 616(1), 110–124, 2008.
- Wingqvist, G. O. and Nilsson, A.: Effectiveness of River Basin Organisations—an institutional review of three African RBOs, *Sida’s Helpdesk for Environment and Climate Change.*, 2015.
- Winter, T. C.: Relation of streams, lakes, and wetlands to groundwater flow systems, *Hydrogeol. J.*, 7(1), 28–45, 1999.
- Wittfogel, K. A.: *The hydraulic civilizations*, University of Chicago Press Chicago, IL., 1956.
- Wolf, A. T.: *Atlas of international freshwater agreements*, UNEP/Earthprint., 2002.
- Wolf, A. T.: *Regional water cooperation as confidence building: water management as a strategy for peace*, Citeseer., 2004.
- Wolf, A. T., Yoffe, S. B. and Giordano, M.: International waters: identifying basins at risk, *Water Policy*, 5(1), 29–60, 2003.

- Woodhouse, M. and Zeitoun, M.: Hydro-hegemony and international water law: grappling with the gaps of power and law, *Water Policy*, 10(S2), 103–119, 2008.
- Worthington, E. B.: United Nations water conference, held at Mar Del Plata, Argentina, 14–25 March 1977, *Environ. Conserv.* 4(2), 153–154, 1977.
- Wouters, P.: The relevance and role of water law in the sustainable development of freshwater: from “hydrosovereignty” to “hydrosolidarity,” *Water Int.*, 25(2), 202–207, 2000.
- Wouters, P.: *International law–facilitating transboundary water cooperation*, 2013.
- WRI, W. R. I.: *World Resources: The Wealth Of The Poor: Managing Ecosystems To Fight Poverty*, World Resources Institute (WRI)., 2005.
- Yadav, N., Joglekar, H., Rao, R. P. N., Vahia, M. N., Adhikari, R. and Mahadevan, I.: Statistical Analysis of the Indus Script Using n-Grams, edited by F. Rapallo, *PLoS ONE*, 5(3), e9506, doi:10.1371/journal.pone.0009506, 2010.
- Yang, W., Dietz, T., Liu, W., Luo, J. and Liu, J.: Going beyond the Millennium Ecosystem Assessment: an index system of human dependence on ecosystem services, *PloS One*, 8(5), e64581, 2013.
- Yang, Y.-C. E., Brown, C., Yu, W., Wescoat Jr, J. and Ringler, C.: Water governance and adaptation to climate change in the Indus River Basin, *J. Hydrol.*, 519, 2527–2537, 2014.
- Yasuda, Y., Schillinger, J., Huntjens, P., Alofs, C. and de Man, R.: *Transboundary Water Cooperation over the lower part of the Jordan River Basin: Legal Political Economy Analysis of Current and Future Potential Cooperation*. The Hague Institute for Global Justice. [online] Available from: http://www.siwi.org/wp-content/uploads/2018/01/Jordan-Basin-Report_design.pdf. (Accessed 13 December 2018), 2017.
- Yilmaz, S.: State, power, and hegemony, *Int. J. Bus. Soc. Sci.*, 1(3), 2010.
- Yin, R. K.: Validity and generalization in future case study evaluations, *Evaluation*, 19(3), 321–332, 2013.
- Yıldız, D.: Afghanistan’s Transboundary Rivers and Regional Security, *World Sci. News*, 16, 40–52, 2015.
- Yoffe, S., Wolf, A. T. and Giordano, M.: CONFLICT AND COOPERATION OVER INTERNATIONAL FRESHWATER RESOURCES: INDICATORS OF BASINS AT RISR 1, *JAWRA J. Am. Water Resour. Assoc.*, 39(5), 1109–1126, 2003.

- Young et al., O.: INSTITUTIONAL DIMENSIONS OF GLOBAL ENVIRONMENTAL CHANGE. 2005.
- Young, M.: Climate change implications on transboundary water management in the Jordan River Basin: A Case Study of the Jordan River Basin and the transboundary agreements between riparians Israel, Palestine and Jordan. 2015.
- Young, O. R.: Institutions and the growth of knowledge: Evidence from international environmental regimes, *Int. Environ. Agreem.* 4(2), 215–228, 2004.
- Young, O. R.: The effectiveness of international environmental regimes: Existing knowledge, cutting-edge themes, and research strategies, in *Advances in International Environmental Politics*, pp. 273–299, Springer. 2014.
- Young, W. J., Anwar, A., Bhatti, T., Borgomeo, E., Davies, S., Garthwaite III, W. R., Gilmont, E. M., Leb, C., Lytton, L., Makin, I. and Saeed, B.: *Pakistan: Getting More from Water*, World Bank. 2019.
- Yousaf, S.: *KABUL RIVER AND PAK-AFGHAN RELATIONS*, , 16, 2017.
- Yousafzai, A. M., Khan, A. R. and Shakoori, A. R.: An assessment of chemical pollution in River Kabul and its possible impacts on fisheries, *Pak. J. Zool.*, 40(3), 199, 2008a.
- Yousafzai, A. M., Khan, A. R. and Shakoori, A. R.: Heavy Metal Pollution in River Kabul Affecting the Inhabitant Fish Population. 9, 2008b.
- Yousafzai, A. M., Khan, A. R. and Shakoori, A. R.: Pollution of Large, Subtropical Rivers-River Kabul, Khyber-Pakhtun Khwa Province, Pakistan): Physico-Chemical Indicators, *Pak. J. Zool.*, 42(6), 2010.
- Yousafzai, I. A. and Yaqubi, H.: *THE DURAND LINE: ITS HISTORICAL, LEGAL AND POLITICAL STATUS*. 54(1), 20, 2017.
- Yu, W., Yang, Y.-C., Savitsky, A., Alford, D., Brown, C., Wescoat, J., Debowicz, D. and Robinson, S.: *The Indus basin of Pakistan: The impacts of climate risks on water and agriculture*, The World Bank., 2013.
- Zahraa, M. and Mahmor, S. M.: Definition and Scope of the Islamic Concept of Sale of Goods‘(2001), *Arab Law Q.*, 16, 215, 218, 2001.
- Zang, C., Liu, J., Gerten, D. and Jiang, L.: Influence of human activities and climate variability on green and blue water provision in the Heihe River Basin, NW China, *J. Water Clim. Change*, jwc2015194, 2015.

- Zaryab, A., Noori, A. R., Wegerich, K. and Kløve, B.: Assessment of Water Quality and Quantity trends in Kabul Aquifers with an outline for future water supplies, *Cent. Asian J. Water Res. CAJWR Центральноазиатский Журнал Исследований Водных Ресурсов*, 3(2), 1925, 2017.
- Zawahri, N. A.: Designing river commissions to implement treaties and manage water disputes: the story of the Joint Water Committee and Permanent Indus Commission, *Water Int.*, 33(4), 464–474, 2008.
- Zeder, M. A.: The domestication of animals, *J. Anthropol. Res.*, 68(2), 161–190, 2012.
- Zeitoun, M.: Global environmental justice and international transboundary waters: an initial exploration, *Geogr. J.*, 179(2), 141–149, 2013.
- Zeitoun, M.: The relevance of international water law to later-developing upstream states, *Water Int.*, 40(7), 949–968, 2015.
- Zeitoun, M. and Allan, J. A.: Applying hegemony and power theory to transboundary water analysis, *Water Policy*, 10(S2), 3–12, 2008.
- Zeitoun, M. and Mirumachi, N.: Transboundary water interaction I: Reconsidering conflict and cooperation, *Int. Environ. Agreem. Polit. Law Econ.*, 8(4), 297, 2008.
- Zeitoun, M. and Warner, J.: Hydro-hegemony—a framework for analysis of trans-boundary water conflicts, *Water Policy*, 8(5), 435–460, 2006.
- Zeitoun, M., Eid-Sabbagh, K., Talhami, M. and Dajani, M.: Hydro-hegemony in the Upper Jordan waterscape: control and use of the flows, *Water Altern.*, 6(1), 86, 2013.
- Zhao, L., Li, Y., Jiang, F., Wang, H., Ren, S., Liu, Y. and Ouyang, Z.: Comparative advantage for the areas irrigated with underground blue water in North China Plain, *Water Policy*, wp2015114, 2015.
- Zhu, Y. and Newell, R. E.: A proposed algorithm for moisture fluxes from atmospheric rivers, *Mon. Weather Rev.*, 126(3), 725–735, 1998.
- Zwarteveen, M. and Boelens, R.: Defining, researching and struggling for water justice: Some conceptual building blocks for research and action, *Water Int.*, 39(2), 143–158, 2014.