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1	Mousavi, S.M., Khan, T.H., Mohammadi, A.	Adjustable Internal Shading for Home Office Daylighting in Tropical Climates	COVID-19, daylight, glare, internal shading, residential building, tropical climate, visual comfort	16, 6, 609-624	<a href="https://doi.org/10.18280/ijde.160601">https://doi.org/10.18280/ijde.160601</a>	Mousavi, S.M., Khan, T.H., Mohammadi, A. (2021). Adjustable internal shading for home office daylighting in tropical climates. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 609-624. <a href="https://doi.org/10.18280/ijde.160601">https://doi.org/10.18280/ijde.160601</a>
2	Santri, D.J., Zulkifli, H., Lesbani, A., Hermansyah, Anwar, Y., Ermayanti, Meylani, V., Fudholi, A.	Analysis of Swamp Microalgal Isolates from South Sumatra as Biofuel Candidates	microalgae, swamp, biofuel, chlorella vulgaris Beyerlingk, lipid	16, 6, 625-630	<a href="https://doi.org/10.18280/ijde.160602">https://doi.org/10.18280/ijde.160602</a>	Santri, D.J., Zulkifli, H., Lesbani, A., Hermansyah, Anwar, Y., Ermayanti, Meylani, V., Fudholi, A. (2021). Analysis of swamp microalgal isolates from South Sumatra as biofuel candidates. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 625-630. <a href="https://doi.org/10.18280/ijde.160602">https://doi.org/10.18280/ijde.160602</a>
3	Al-Hinkawi, W.S., Hasan, N.A., Zedan, S.K.	Facadism: An Approach for Spatial Reconfiguration	facadism, urban contexts, spatial reconfiguration, historical axes and spaces	16, 6, 631-640	<a href="https://doi.org/10.18280/ijde.160603">https://doi.org/10.18280/ijde.160603</a>	Al-Hinkawi, W.S., Hasan, N.A., Zedan, S.K. (2021). Facadism: An approach for spatial reconfiguration. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 631-640. <a href="https://doi.org/10.18280/ijde.160603">https://doi.org/10.18280/ijde.160603</a>
4	Idris, M.H., Latifah, S., Setiawan, B., Aji, I.M.L., Sari, D.P.	Vegetation and Soil Carbon under Various Forest Management Types: Case of Karang Sidemen Community Forest in Lombok, Eastern Indonesia	agroforestry, protected forest, carbon stock, land cover	16, 6, 641-648	<a href="https://doi.org/10.18280/ijde.160604">https://doi.org/10.18280/ijde.160604</a>	Idris, M.H., Latifah, S., Setiawan, B., Aji, I.M.L., Sari, D.P. (2021). Vegetation and soil carbon under various forest management types: Case of Karang Sidemen community forest in Lombok, Eastern Indonesia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 641-648. <a href="https://doi.org/10.18280/ijde.160604">https://doi.org/10.18280/ijde.160604</a>
5	Kadim, M.A.A., Omran, I.I., Al-Taai, A.A.S.	Optimization of the Nonlinear Muskingum Model Parameters for the River Routing, Tigris River a Case Study	flood routing, nonlinear Muskingum model, particle swarm optimization (PSO), genetic algorithm (GA), harmony search (HS), least-squares method (LSM), Hook-Jeeves (HJ)	16, 6, 649-656	<a href="https://doi.org/10.18280/ijde.160605">https://doi.org/10.18280/ijde.160605</a>	Kadim, M.A.A., Omran, I.I., Al-Taai, A.A.S. (2021). Optimization of the nonlinear Muskingum model parameters for the river routing, Tigris River a case study. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 649-656. <a href="https://doi.org/10.18280/ijde.160605">https://doi.org/10.18280/ijde.160605</a>
6	Najim, S., Alslam, N.A., Albazzaz, I.A.	Environmental Influences on the Settlements Patterns of Communities in the Marshes of Iraq	Mesopotamia, marshes, Aljabayesh, cultural heritage, rural settlement economy, environmental adaptation, construction techniques, growth pattern	16, 6, 657-663	<a href="https://doi.org/10.18280/ijde.160606">https://doi.org/10.18280/ijde.160606</a>	Najim, S., Alslam, N.A., Albazzaz, I.A. (2021). Environmental influences on the settlements patterns of communities in the marshes of Iraq. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 657-663. <a href="https://doi.org/10.18280/ijde.160606">https://doi.org/10.18280/ijde.160606</a>
7	Odekina, G.O., Adedotun, A.F., Oduasanya, O.A.	Vector Autoregressive Modeling of COVID-19 Incidence Rate in Nigeria	COVID-19, co-integration, vector autoregressive model	16, 6, 665-669	<a href="https://doi.org/10.18280/ijde.160607">https://doi.org/10.18280/ijde.160607</a>	Odekina, G.O., Adedotun, A.F., Oduasanya, O.A. (2021). Vector autoregressive modeling of COVID-19 incidence rate in Nigeria. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 665-669. <a href="https://doi.org/10.18280/ijde.160607">https://doi.org/10.18280/ijde.160607</a>
8	Darwin, Diana, N., Mardhotillah, Pratama, A.	Anaerobic Co-Digestion of Cow Manure and Palm Oil Mill Effluent (POME): Assessment of Methane Production and Biodegradation Efficiency	anaerobic co-digestion, POME, cow manure, methane, biodegradation	16, 6, 671-676	<a href="https://doi.org/10.18280/ijde.160608">https://doi.org/10.18280/ijde.160608</a>	Darwin, Diana, N., Mardhotillah, Pratama, A. (2021). Anaerobic co-digestion of cow manure and Palm oil mill effluent (POME): Assessment of methane production and biodegradation efficiency. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 671-676. <a href="https://doi.org/10.18280/ijde.160608">https://doi.org/10.18280/ijde.160608</a>
9	Khasanah, N., Martono, E., Trisyono, Y.A., Wijonarko, A.	Toxicity and Antifeedant Activity of <i>Calotropis gigantea</i> L. Leaf Extract Against <i>Plutella xylostella</i> L. (Lepidoptera: Plutellidae)	antifeedant, compound composition, leaf dipping, spraying	16, 6, 677-682	<a href="https://doi.org/10.18280/ijde.160609">https://doi.org/10.18280/ijde.160609</a>	Khasanah, N., Martono, E., Trisyono, Y.A., Wijonarko, A. (2021). Toxicity and antifeedant activity of <i>Calotropis gigantea</i> L. leaf extract against <i>Plutella xylostella</i> L. (Lepidoptera: Plutellidae). <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 677-682. <a href="https://doi.org/10.18280/ijde.160609">https://doi.org/10.18280/ijde.160609</a>
10	Hussein, M.N., Alkadhimy, A., Najim, W.A., Almousawi, H.A.	Shaking Table Experiment on Seismic Performance of a Scaled-Down Arch Dam with Initial Crack	cracked arch dam, earthquake, degree of curvature, XFEM	16, 6, 683-689	<a href="https://doi.org/10.18280/ijde.160610">https://doi.org/10.18280/ijde.160610</a>	Hussein, M.N., Alkadhimy, A., Najim, W.A., Almousawi, H.A. (2021). Shaking table experiment on seismic performance of a scaled-down arch dam with initial crack. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 683-689. <a href="https://doi.org/10.18280/ijde.160610">https://doi.org/10.18280/ijde.160610</a>
11	Ningsih, P., Rahmawati, S., Santi, N.M.N., Suherman, Diah, A.W.M.	Making Edible Film from Jackfruit Seed Starch ( <i>Artocarpus heterophyllus</i> ) with the Addition of Rosella Flower Extract ( <i>Hibiscus Sabdariffa</i> L.) as Antioxidant	edible film, jackfruit seed starch, rosella flower extract, glycerol, plasticizer	16, 6, 691-699	<a href="https://doi.org/10.18280/ijde.160611">https://doi.org/10.18280/ijde.160611</a>	Ningsih, P., Rahmawati, S., Santi, N.M.N., Suherman, Diah, A.W.M. (2021). Making edible film from jackfruit seed starch ( <i>Artocarpus heterophyllus</i> ) with the addition of rosella flower extract ( <i>Hibiscus sabdariffa</i> L.) as antioxidant. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 691-699. <a href="https://doi.org/10.18280/ijde.160611">https://doi.org/10.18280/ijde.160611</a>
12	Mohammed, K.A., Mansi, A.I., Salih, S.M.	Influence of Waste Cork with Thinner on the Rheological Properties of Asphalt	waste cork, asphalt, rheological properties, materials, modified	16, 6, 701-707	<a href="https://doi.org/10.18280/ijde.160612">https://doi.org/10.18280/ijde.160612</a>	Mohammed, K.A., Mansi, A.I., Salih, S.M. (2021). Influence of waste cork with thinner on the rheological properties of asphalt. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 701-707. <a href="https://doi.org/10.18280/ijde.160612">https://doi.org/10.18280/ijde.160612</a>
13	Ishak, M.G., Tunas, I.G., Herman, R., Setiawan, Arafat, Y.	Flow Simulation Using 2D Hydrodynamic Model at the Palu Estuary Based on National DEM (DEMNAS) Source Data	hydrodynamic simulation, RMA2, mesh, bed geometry, DEMNAS data	16, 6, 709-715	<a href="https://doi.org/10.18280/ijde.160613">https://doi.org/10.18280/ijde.160613</a>	Ishak, M.G., Tunas, I.G., Herman, R., Setiawan, Arafat, Y. (2021). Flow simulation using 2D hydrodynamic model at the Palu estuary based on national DEM (DEMNAS) source data. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 709-715. <a href="https://doi.org/10.18280/ijde.160613">https://doi.org/10.18280/ijde.160613</a>
14	Effendy, Antara, M., Muhandi, Pellokila, M.R., Mulyo, J.H.	Identification of Factors Affecting Decisions to Adopt Pesticides at Lowland Rice Farms in Indonesia	lowland rice farmers, pesticides, application frequency, double-hurdle model	16, 6, 717-723	<a href="https://doi.org/10.18280/ijde.160614">https://doi.org/10.18280/ijde.160614</a>	Effendy, Antara, M., Muhandi, Pellokila, M.R., Mulyo, J.H. (2021). Identification of factors affecting decisions to adopt pesticides at lowland rice farms in Indonesia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 717-723. <a href="https://doi.org/10.18280/ijde.160614">https://doi.org/10.18280/ijde.160614</a>
15	Almutalabi, S.N., Alzahiri, M., Hashim, F.A.	Two Stages Thermal and Catalytic Cracking of Polyethylene Terephthalate to Fuel Production	PET plastic, calcium hydroxide, pyrolysis, fuel, GC/MS	16, 6, 725-732	<a href="https://doi.org/10.18280/ijde.160615">https://doi.org/10.18280/ijde.160615</a>	Almutalabi, S.N., Alzahiri, M., Hashim, F.A. (2021). Two stages thermal and catalytic cracking of polyethylene terephthalate to fuel production. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 6, pp. 725-732. <a href="https://doi.org/10.18280/ijde.160615">https://doi.org/10.18280/ijde.160615</a>
16	Balocco, C., Petrone, G.L.	Sustainability and Wellbeing in Healthcare Facilities. An Investigation Inside a Historic Hospital	sustainable health care facilities, health and wellbeing, environmental sustainability, ventilation effectiveness, experimental monitoring, simulation, IAQ	16, 5, 477-485	<a href="https://doi.org/10.18280/ijde.160501">https://doi.org/10.18280/ijde.160501</a>	Balocco, C., Petrone, G.L. (2021). Sustainability and wellbeing in healthcare facilities. An investigation inside a historic hospital. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 477-485. <a href="https://doi.org/10.18280/ijde.160501">https://doi.org/10.18280/ijde.160501</a>
17	Sklarenko, N.V., Didukh, A.S., Rainyski, V.V., Kolosichenko, O.V., Chuprina, N.V.	From Waste to Usefulness: Packaging Design as a By-Product	dynamical visual communication, ecological design thinking, environmentally friendly, multifunctional package, multilevel communicative environment, secondary use	16, 5, 487-494	<a href="https://doi.org/10.18280/ijde.160502">https://doi.org/10.18280/ijde.160502</a>	Sklarenko, N.V., Didukh, A.S., Rainyski, V.V., Kolosichenko, O.V., Chuprina, N.V. (2021). From waste to usefulness: Packaging design as a by-product. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 487-494. <a href="https://doi.org/10.18280/ijde.160502">https://doi.org/10.18280/ijde.160502</a>
18	Hapid, A., Napitupulu, M., Zubair, M.S.	Ethnopharmacology and Antioxidant Activity Studies of Woody Liana Original Wallacea	Lore Lindu National Park, Kaili Tribe, liana, ethnopharmacology	16, 5, 495-503	<a href="https://doi.org/10.18280/ijde.160503">https://doi.org/10.18280/ijde.160503</a>	Hapid, A., Napitupulu, M., Zubair, M.S. (2021). Ethnopharmacology and antioxidant activity studies of woody liana original Wallacea. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 495-503. <a href="https://doi.org/10.18280/ijde.160503">https://doi.org/10.18280/ijde.160503</a>
19	Mohammed, B.R., Jomaah, M.M., Zehawi, R.N.	Emergence Time Phasing for the Potential New Airports in the Middle District of Iraq	Baghdad international airport, Diyala governorate, al-Anbar governorate, salah al-din governorate, Baquba airport Habbiyah airport, Balad airport, system dynamic	16, 5, 505-516	<a href="https://doi.org/10.18280/ijde.160504">https://doi.org/10.18280/ijde.160504</a>	Mohammed, B.R., Jomaah, M.M., Zehawi, R.N. (2021). Emergence time phasing for the potential new airports in the middle district of Iraq. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 505-516. <a href="https://doi.org/10.18280/ijde.160504">https://doi.org/10.18280/ijde.160504</a>
20	Kiran, R.N.D.S.S., Aparna, C., Radhika, S.	An Enhanced Weight Update Method for Simplified ARTMAP to Classify Groundwater Data	adaptive resonance theory, artificial neural network, fuzzy water quality index, simplified fuzzy ARTMAP, weighted arithmetic water quality index	16, 5, 517-524	<a href="https://doi.org/10.18280/ijde.160505">https://doi.org/10.18280/ijde.160505</a>	Kiran, R.N.D.S.S., Aparna, C., Radhika, S. (2021). An enhanced weight update method for simplified ARTMAP to classify groundwater data. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 517-524. <a href="https://doi.org/10.18280/ijde.160505">https://doi.org/10.18280/ijde.160505</a>

21	Taharin, M.R., Roslee, R.	The Application of Semi Variogram and Ordinary Kriging in Determining the Cohesion and Clay Percentage Distribution in Hilly Area of Sabah, Malaysia	Ordinary Kriging, semi variogram, cohesive soil, Sabah	16, 5, 525-530	<a href="https://doi.org/10.18280/jidne.160506">https://doi.org/10.18280/jidne.160506</a>	Taharin, M.R., Roslee, R. (2021). The application of semi variogram and ordinary kriging in determining the cohesion and clay percentage distribution in hilly area of Sabah, Malaysia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 525-530. <a href="https://doi.org/10.18280/jidne.160506">https://doi.org/10.18280/jidne.160506</a>
22	Qamar, A.M., Khan, R.U., Alshuhbany, S.A.	Large-Scale Bibliometric Analysis of Coronavirus	bibliometrics, coronavirus, COVID-19, scientometrics	16, 5, 531-541	<a href="https://doi.org/10.18280/jidne.160507">https://doi.org/10.18280/jidne.160507</a>	Qamar, A.M., Khan, R.U., Alshuhbany, S.A. (2021). Large-scale bibliometric analysis of coronavirus. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 531-541. <a href="https://doi.org/10.18280/jidne.160507">https://doi.org/10.18280/jidne.160507</a>
23	Herwanti, S., Febrayano, I.G., Yuwono, S.B., Khotimah, K., Banuwa, I.S., Harianto, S.P., Tsani, M.K., Surmayanti, Damayanti, Prasctia, H., Rusita, Fitriana, Y.R.	Tourism Economic Value of Bukit Panganon Urban Forest, Lampung, Indonesia	consumer surplus, tourism, travel costs, urban communities	16, 5, 543-549	<a href="https://doi.org/10.18280/jidne.160508">https://doi.org/10.18280/jidne.160508</a>	Herwanti, S., Febrayano, I.G., Yuwono, S.B., Khotimah, K., Banuwa, I.S., Harianto, S.P., Tsani, M.K., Surmayanti, Damayanti, Prasctia, H., Rusita, Fitriana, Y.R. (2021). Tourism economic value of Bukit Panganon urban forest, Lampung, Indonesia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 543-549. <a href="https://doi.org/10.18280/jidne.160508">https://doi.org/10.18280/jidne.160508</a>
24	Afolalu, S.A., Ikumapayi, O.M., Abioye, A.A., Yusuf, O.O., Emeteri, M.E.	Evaluation of Starch-Biopolymer Synthesized from Chaffs of Common Beans ( <i>Phaseolus Vulgaris</i> )	LDPE, biodegradation, biocomposite, starch, potato, cassava, nanoparticles	16, 5, 551-556	<a href="https://doi.org/10.18280/jidne.160509">https://doi.org/10.18280/jidne.160509</a>	Afolalu, S.A., Ikumapayi, O.M., Abioye, A.A., Yusuf, O.O., Emeteri, M.E. (2021). Evaluation of starch-biopolymer synthesized from chaffs of common beans ( <i>Phaseolus Vulgaris</i> ). <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 551-556. <a href="https://doi.org/10.18280/jidne.160509">https://doi.org/10.18280/jidne.160509</a>
25	Naser, A.K., Al-Shamkhee, D.M.H., Abed, Q.A.	Enhanced Electrical Properties of Crystalline Silicon Solar Cells via Nano-Composite Polyvinyl-Alcohol/Titanium Dioxide	TiO2/PVA nanocomposite, solar cell, thermal regulation thin film, UV- mask, anti-reflection coating	16, 5, 557-564	<a href="https://doi.org/10.18280/jidne.160510">https://doi.org/10.18280/jidne.160510</a>	Naser, A.K., Al-Shamkhee, D.M.H., Abed, Q.A. (2021). Enhanced electrical properties of crystalline silicon solar cells via nano-composite polyvinyl-alcohol/titanium dioxide. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 557-564. <a href="https://doi.org/10.18280/jidne.160510">https://doi.org/10.18280/jidne.160510</a>
26	Golar, G., Muis, H., Massiri, S.D., Rahman, A., Maiva, A., Pratama, F., Baharuddin, R.F., Simorangkir, W.S.	Can Forest Management Units Improve Community Access to the Forest?	deforestation, forest management unit, forest access, forest partnership	16, 5, 565-571	<a href="https://doi.org/10.18280/jidne.160511">https://doi.org/10.18280/jidne.160511</a>	Golar, G., Muis, H., Massiri, S.D., Rahman, A., Maiva, A., Pratama, F., Baharuddin, R.F., Simorangkir, W.S. (2021). Can forest management units improve community access to the forest? <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 565-571. <a href="https://doi.org/10.18280/jidne.160511">https://doi.org/10.18280/jidne.160511</a>
27	Karbol, H.A., Al-Saadi, S.M., Almajidi, B.H.	Bias in the Critique of Arab Architecture	bias, criticism, local identity, contemporary Arab architecture	16, 5, 573-581	<a href="https://doi.org/10.18280/jidne.160512">https://doi.org/10.18280/jidne.160512</a>	Karbol, H.A., Al-Saadi, S.M., Almajidi, B.H. (2021). Bias in the critique of Arab architecture. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 573-581. <a href="https://doi.org/10.18280/jidne.160512">https://doi.org/10.18280/jidne.160512</a>
28	Isnun, Hasanah, U., Laude, S., Basir-Cyio, M., Fadhliah, Effendy.	Reduction in the Emission Rate of Greenhouse Gases and the Increase in Crop Production by Using Compost on Marginal Land	greenhouse gases, emission, agricultural production, straw rice compost, cocoa pod husk	16, 5, 583-591	<a href="https://doi.org/10.18280/jidne.160513">https://doi.org/10.18280/jidne.160513</a>	Isnun, Hasanah, U., Laude, S., Basir-Cyio, M., Fadhliah, Effendy. (2021). Reduction in the emission rate of greenhouse gases and the increase in crop production by using compost on marginal land. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 583-591. <a href="https://doi.org/10.18280/jidne.160513">https://doi.org/10.18280/jidne.160513</a>
29	Taha, M.A., Ali, O.M., Weis, M.M.	Implementation of Fusel Oil as an Octane Enhancer with Commercial Gasoline to Operate Gasoline Engine	fusel oil, gasoline, SI engine, fuel additive, engine performance	16, 5, 593-599	<a href="https://doi.org/10.18280/jidne.160514">https://doi.org/10.18280/jidne.160514</a>	Taha, M.A., Ali, O.M., Weis, M.M. (2021). Implementation of fusel oil as an octane enhancer with commercial gasoline to operate gasoline engine. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 593-599. <a href="https://doi.org/10.18280/jidne.160514">https://doi.org/10.18280/jidne.160514</a>
30	Pramono, R., Hidayat, J., Dharmawan, C., Juliana.	Hybrid Bamboo and Batik Handicraft Development as Creative Tourism Product	bamboo batik handicraft, prototype, creative tourism product	16, 5, 601-607	<a href="https://doi.org/10.18280/jidne.160515">https://doi.org/10.18280/jidne.160515</a>	Pramono, R., Hidayat, J., Dharmawan, C., Juliana. (2021). Hybrid bamboo and batik handicraft development as creative tourism product. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 5, pp. 601-607. <a href="https://doi.org/10.18280/jidne.160515">https://doi.org/10.18280/jidne.160515</a>
31	Faris, M.R., Ibrahim, H.M., Abdulrahman, K.Z., Othman, L.S., Marc, K.D.	Fuzzy Logic Model for Optimal Operation of Darbandikhan Reservoir, Iraq	dynamic programming, fuzzy logic controller, hydropower generation, reservoir operation, simulation model	16, 4, 335-343	<a href="https://doi.org/10.18280/jidne.160401">https://doi.org/10.18280/jidne.160401</a>	Faris, M.R., Ibrahim, H.M., Abdulrahman, K.Z., Othman, L.S., Marc, K.D. (2021). Fuzzy logic model for optimal operation of Darbandikhan reservoir, Iraq. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 4, pp. 335-343. <a href="https://doi.org/10.18280/jidne.160401">https://doi.org/10.18280/jidne.160401</a>
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44	Ghalib, H.S., Ramal, M.M.	Spatial and Temporal Water Quality Evaluation of Heavy Metals of Habbaniyah Lake, Iraq	water quality, pollution assessment, heavy metal, heavy metal pollution index (HMPI), heavy metal evaluation index (HMEI), contamination degree (CD)	16, 4, 467-475	<a href="https://doi.org/10.18280/ijde.160414">https://doi.org/10.18280/ijde.160414</a>	Ghalib, H.S., Ramal, M.M. (2021). Spatial and temporal water quality evaluation of heavy metals of Habbaniyah Lake, Iraq. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 16, No. 4, pp. 467-475. <a href="https://doi.org/10.18280/ijde.160414">https://doi.org/10.18280/ijde.160414</a>
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92	Zhou, Q.S., Qu, K.G., Zhang, Y.Z., Deng, J., Wang, W.J.	Demand-supply balance of the nitrogen nutrients converted from regional agricultural organic wastes for agricultural utilization	agricultural organic wastes (AOWs), livestock and poultry (LP) manures, crop straws, nitrogen nutrients, demand-supply balance	15, 6, 813-819	<a href="https://doi.org/10.18280/ijnd.150606">https://doi.org/10.18280/ijnd.150606</a>	Zhou, Q.S., Qu, K.G., Zhang, Y.Z., Deng, J., Wang, W.J. (2020). Demand-supply balance of the nitrogen nutrients converted from regional agricultural organic wastes for agricultural utilization. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 6, pp. 813-819. <a href="https://doi.org/10.18280/ijnd.150606">https://doi.org/10.18280/ijnd.150606</a>
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104	Huang, J.	An evaluation model for green manufacturing quality of children's furniture based on artificial intelligence	artificial intelligence (AI), children's furniture, green manufacturing, quality evaluation	15, 6, 921-930	<a href="https://doi.org/10.18280/ijde.150618">https://doi.org/10.18280/ijde.150618</a>	Huang, J. (2020). An evaluation model for green manufacturing quality of children's furniture based on artificial intelligence. <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 15, No. 6, pp. 921-930. <a href="https://doi.org/10.18280/ijde.150618">https://doi.org/10.18280/ijde.150618</a>
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120	Najm, A.B.A., Abdulhameed, I.M., Sulaiman, S.O.	Water requirements of crops under various Kc coefficient approaches by using Water Evaluation and Planning (WEAP)	WEAP-Model, Dual-Kc approach, Single-Kc approach, water requirements of crops, effect of soil texture on irrigation intervals	15, 5, 739-748	<a href="https://doi.org/10.18280/ijde.150516">https://doi.org/10.18280/ijde.150516</a>	Najm, A.B.A., Abdulhameed, I.M., Sulaiman, S.O. (2020). Water requirements of crops under various Kc coefficient approaches by using Water Evaluation and Planning (WEAP). <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 15, No. 5, pp. 739-748. <a href="https://doi.org/10.18280/ijde.150516">https://doi.org/10.18280/ijde.150516</a>

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122	Abdulqader, O.Q., Ahmed, J.A.	Relationships between interior and exterior spaces as a factor of efficient university buildings	interior design, university buildings, educational buildings comfortable space, green design, users' needs	15, 5, 757-762	<a href="https://doi.org/10.18280/ijnde.150518">https://doi.org/10.18280/ijnde.150518</a>	Abdulqader, O.Q., Ahmed, J.A. (2020). Relationships between interior and exterior spaces as a factor of efficient university buildings. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 5, pp. 757-762. <a href="https://doi.org/10.18280/ijnde.150518">https://doi.org/10.18280/ijnde.150518</a>
123	Borsos, Á., Hendrix, T., Lovig, D., Sadoud, N., Zoltán, E.S., Medvegy, G., Bachmann, E.	Lounge designs for the Budapest office of a multinational company	lounges, office-space architecture, open-plan design, reducing office stress, work health, workplace recreation areas	15, 4, 455-463	<a href="https://doi.org/10.18280/ijnde.150401">https://doi.org/10.18280/ijnde.150401</a>	Borsos, Á., Hendrix, T., Lovig, D., Sadoud, N., Zoltán, E.S., Medvegy, G., Bachmann, E. (2020). Lounge designs for the Budapest office of a multinational company. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 455-463. <a href="https://doi.org/10.18280/ijnde.150401">https://doi.org/10.18280/ijnde.150401</a>
124	Okhrimenko, V., Glebova, M.	Methodology calculation for reactive power compensation in industrial enterprises	compensation, loss of electrical energy, reactive power, reduced costs	15, 4, 465-471	<a href="https://doi.org/10.18280/ijnde.150402">https://doi.org/10.18280/ijnde.150402</a>	Okhrimenko, V., Glebova, M. (2020). Methodology calculation for reactive power compensation in industrial enterprises. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 465-471. <a href="https://doi.org/10.18280/ijnde.150402">https://doi.org/10.18280/ijnde.150402</a>
125	Burggräf, P., Dannapfel, M., Esfahani, M.E., Schwaborn, N.	How to improve collaboration efficiency in the built environment of factories by using an integrated factory modelling concept – An expert study	BIM, collaboration, design, expert study, factory, factory design, design	15, 4, 473-481	<a href="https://doi.org/10.18280/ijnde.150403">https://doi.org/10.18280/ijnde.150403</a>	Burggräf, P., Dannapfel, M., Esfahani, M.E., Schwaborn, N. (2020). How to improve collaboration efficiency in the built environment of factories by using an integrated factory modelling concept – An expert study. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 473-481. <a href="https://doi.org/10.18280/ijnde.150403">https://doi.org/10.18280/ijnde.150403</a>
126	Li, C., Cai, Y.	Effect of soil strength degradation on slope stability	bank slope, strength degradation, long-term saturation, slope stability	15, 4, 483-489	<a href="https://doi.org/10.18280/ijnde.150404">https://doi.org/10.18280/ijnde.150404</a>	Li, C., Cai, Y. (2020). Effect of soil strength degradation on slope stability. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 483-489. <a href="https://doi.org/10.18280/ijnde.150404">https://doi.org/10.18280/ijnde.150404</a>
127	Prihatini, R., Saleh, N.M.	The stimulated growth of tissue cultured banana and slipper orchid as exposed to extremely low frequency electromagnetic field	antioxidant activity, catalase, ELF-EMF, glutathione reductase, in vitro plant, superoxide dismutase	15, 4, 491-497	<a href="https://doi.org/10.18280/ijnde.150405">https://doi.org/10.18280/ijnde.150405</a>	Prihatini, R., Saleh, N.M. (2020). The stimulated growth of tissue cultured banana and slipper orchid as exposed to extremely low frequency electromagnetic field. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 491-497. <a href="https://doi.org/10.18280/ijnde.150405">https://doi.org/10.18280/ijnde.150405</a>
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129	Wang, L., Xue, R., Cai, N., Wu, W., Niu, M.M., Zhang, D.L.	Application of least squares meshless method in multi-component high-speed non-equilibrium reaction jet	least squares (LS), meshless method, multi-component chemical reaction, artificially upstream flux vector splitting (AUFVS) scheme	15, 4, 507-514	<a href="https://doi.org/10.18280/ijnde.150407">https://doi.org/10.18280/ijnde.150407</a>	Wang, L., Xue, R., Cai, N., Wu, W., Niu, M.M., Zhang, D.L. (2020). Application of least squares meshless method in multi-component high-speed non-equilibrium reaction jet. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 507-514. <a href="https://doi.org/10.18280/ijnde.150407">https://doi.org/10.18280/ijnde.150407</a>
130	Tarrad, M., Sqour, S.	Applications of green architecture in vernacular dwelling architecture-a case study from Jordan	dwelling building, environmental architecture, vernacular architecture, green architecture, society community, Jordan	15, 4, 515-522	<a href="https://doi.org/10.18280/ijnde.150408">https://doi.org/10.18280/ijnde.150408</a>	Tarrad, M., Sqour, S. (2020). Applications of green architecture in vernacular dwelling architecture-a case study from Jordan. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 515-522. <a href="https://doi.org/10.18280/ijnde.150408">https://doi.org/10.18280/ijnde.150408</a>
131	Naser, A.S., Abidalla, W.A.	Using of best plane method (B.P.M.) to estimate the optimum number with value and direction of slopes for farm units in irrigation project	farm unit, irrigation project, cut - fill ratio, watercourse, optimum slope	15, 4, 523-531	<a href="https://doi.org/10.18280/ijnde.150409">https://doi.org/10.18280/ijnde.150409</a>	Naser, A.S., Abidalla, W.A. (2020). Using of best plane method (B.P.M.) to estimate the optimum number with value and direction of slopes for farm units in irrigation project. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 523-531. <a href="https://doi.org/10.18280/ijnde.150409">https://doi.org/10.18280/ijnde.150409</a>
132	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G.	Simulation tests on load bearing features of mudstone foundation in project lifecycle	mudstone, load bearing features, project lifecycle, soft rock	15, 4, 533-538	<a href="https://doi.org/10.18280/ijnde.150410">https://doi.org/10.18280/ijnde.150410</a>	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G. (2020). Simulation tests on load bearing features of mudstone foundation in project lifecycle. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 533-538. <a href="https://doi.org/10.18280/ijnde.150410">https://doi.org/10.18280/ijnde.150410</a>
133	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G.	Impacts of temperature, precipitation and population growth on energy demands of Delhi	climate change, decadal population growth, electricity demand, energy demand	15, 4, 539-544	<a href="https://doi.org/10.18280/ijnde.150411">https://doi.org/10.18280/ijnde.150411</a>	Ma, F.R., Luo, H., Liao, Y., Zhang, X.G. (2020). Impacts of temperature, precipitation and population growth on energy demands of Delhi. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 539-544. <a href="https://doi.org/10.18280/ijnde.150411">https://doi.org/10.18280/ijnde.150411</a>
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139	Pagiú, S., Ramlan, Belo, T.I., Patadungan, Y.S.	Land index and production of Arabica coffee (Coffea arabica L.) in smallholding plantation of Tana Toraja District, Indonesia	land suitability class, land index, Arabica coffee, production, income	15, 4, 587-592	<a href="https://doi.org/10.18280/ijnde.150417">https://doi.org/10.18280/ijnde.150417</a>	Pagiú, S., Ramlan, Belo, T.I., Patadungan, Y.S. (2020). Land index and production of Arabica coffee (Coffea arabica L.) in smallholding plantation of Tana Toraja District, Indonesia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 4, pp. 587-592. <a href="https://doi.org/10.18280/ijnde.150417">https://doi.org/10.18280/ijnde.150417</a>
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152	Rabani, M., Kalantar, V., Rabani, M., Rabani, R.	Cooling performance of a new designed Trombe wall integrated with solar chimney, water spraying system, and rectangular thermal fin arrays: An experimental approach	Trombe wall, solar chimney, water spraying system, thermal fin	15, 3, 373-391	<a href="https://doi.org/10.18280/ijde.150311">https://doi.org/10.18280/ijde.150311</a>	Rabani, M., Kalantar, V., Rabani, M., Rabani, R. (2020). Cooling performance of a new designed Trombe wall integrated with solar chimney, water spraying system, and rectangular thermal fin arrays: An experimental approach. <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 15, No. 3, pp. 373-391. <a href="https://doi.org/10.18280/ijde.150311">https://doi.org/10.18280/ijde.150311</a>
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158	Li, P.H., Tian, Q.L., Peng, Z.S., Fang, Z.R., Qing, Y., Zhao, H.	Main agronomic traits and photosynthetic pathways of potatoes	potato, agronomic traits, physiological indices, regression analysis, path analysis	15, 3, 431-439	<a href="https://doi.org/10.18280/ijde.150317">https://doi.org/10.18280/ijde.150317</a>	Li, P.H., Tian, Q.L., Peng, Z.S., Fang, Z.R., Qing, Y., Zhao, H. (2020). Main agronomic traits and photosynthetic pathways of potatoes. <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 15, No. 3, pp. 431-439. <a href="https://doi.org/10.18280/ijde.150317">https://doi.org/10.18280/ijde.150317</a>
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187	Alwan, N.T., Shehklein, S.E., Ali, O.M.	Experimental investigation of modified solar still productivity under variable climatic conditions	modified solar still, variable climatic conditions, saltwater temperature, single slope, productivity	15, 1, 57-64	<a href="https://doi.org/10.18280/ijnd.150108">https://doi.org/10.18280/ijnd.150108</a>	Alwan, N.T., Shehklein, S.E., Ali, O.M. (2020). Experimental investigation of modified solar still productivity under variable climatic conditions. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 1, pp. 57-64. <a href="https://doi.org/10.18280/ijnd.150108">https://doi.org/10.18280/ijnd.150108</a>
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190	Sachanowicz, T.	Sustainability in architecture of Zbigniew Abrahamowicz	architecture in Szczecin, continuity, polish architecture, PRL architecture, sustainable architecture, sustainable building, sustainable design, Zbigniew Abrahamowicz	15, 1, 83-88	<a href="https://doi.org/10.18280/ijnd.150111">https://doi.org/10.18280/ijnd.150111</a>	Sachanowicz, T. (2020). Sustainability in architecture of Zbigniew Abrahamowicz. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 15, No. 1, pp. 83-88. <a href="https://doi.org/10.18280/ijnd.150111">https://doi.org/10.18280/ijnd.150111</a>
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203	de Silva, W.	Urban agriculture and Buddhist concepts for wellbeing: Amradhapura Sacred City, Sri Lanka	everyday life, embodied agriculture, orientation of the place, urban agriculture, wellbeing in Buddhist city	14, 3, 163-177	<a href="https://doi.org/10.2495/DNE-V14-N3-163-177">https://doi.org/10.2495/DNE-V14-N3-163-177</a>	de Silva, W. (2019). Urban agriculture and Buddhist concepts for wellbeing: Amradhapura Sacred City, Sri Lanka. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 14, No. 3, pp. 163-177. <a href="https://doi.org/10.2495/DNE-V14-N3-163-177">https://doi.org/10.2495/DNE-V14-N3-163-177</a>
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205	Olgun, T.N., Karatosun, M.B.	Rural architectural heritage conservation and sustainability in Turkey: The case of Karaca village of Malatya region	conservation, Malatya, rural architecture heritage, sustainability, earthen	14, 3, 195-205	<a href="https://doi.org/10.2495/DNE-V14-N3-195-205">https://doi.org/10.2495/DNE-V14-N3-195-205</a>	Olgun, T.N., Karatosun, M.B. (2019). Rural architectural heritage conservation and sustainability in Turkey: The case of Karaca village of Malatya region. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 14, No. 3, pp. 195-205. <a href="https://doi.org/10.2495/DNE-V14-N3-195-205">https://doi.org/10.2495/DNE-V14-N3-195-205</a>
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208	Ladiana, D., Sivo, M.D.	Programmed conservation of historical and architectural heritage. Tools for optimising a process based on knowledge and information	historical-architectural heritage, preventive maintenance, maintenance technologies, HBIM	14, 3, 229-240	<a href="https://doi.org/10.2495/DNE-V14-N3-229-240">https://doi.org/10.2495/DNE-V14-N3-229-240</a>	Ladiana, D., Sivo, M.D. (2019). Programmed conservation of historical and architectural heritage. Tools for optimising a process based on knowledge and information. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 14, No. 3, pp. 229-240. <a href="https://doi.org/10.2495/DNE-V14-N3-229-240">https://doi.org/10.2495/DNE-V14-N3-229-240</a>
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224	Gaxiola, I.E., Chalfoun, N.V., Moeller, C.	Architectural implementation of vegetated cover from agriculture for restoring human thermal comfort and mitigating the urban heat island effect in arid regions	fish-eye lens photograph, hemispherical photography, human thermal comfort, human view-factor, mean radiant temperature, urban agriculture, urban heat island	13, 4, 373-383	<a href="https://doi.org/10.2495/DNE-V13-N4-373-383">https://doi.org/10.2495/DNE-V13-N4-373-383</a>	Gaxiola, I.E., Chalfoun, N.V., Moeller, C. (2018). Architectural implementation of vegetated cover from agriculture for restoring human thermal comfort and mitigating the urban heat island effect in arid regions. <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 13, No. 4, pp. 373-383. <a href="https://doi.org/10.2495/DNE-V13-N4-373-383">https://doi.org/10.2495/DNE-V13-N4-373-383</a>
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234	Mitić, P.	A complexity framework for consensus and conflict	beta distribution, conflict, consensus, convergence, influence, resistance, sentiment, simulation	13, 3, 281-293	<a href="https://doi.org/10.2495/DNE-V13-N3-281-293">https://doi.org/10.2495/DNE-V13-N3-281-293</a>	Mitić, P. (2018). A complexity framework for consensus and conflict. <i>International Journal of Design &amp; Nature and Eodynamics</i> , Vol. 13, No. 3, pp. 281-293. <a href="https://doi.org/10.2495/DNE-V13-N3-281-293">https://doi.org/10.2495/DNE-V13-N3-281-293</a>
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247	White, B.E.	Fathoming the future of artificially intelligent robots	artificial intelligence, behaviors, complex systems, complex systems engineering, families of robots, global issues, humans, jobs, robots, social systems	13, 1, 1-15	<a href="https://doi.org/10.2495/DNE-V13-N1-1-15">https://doi.org/10.2495/DNE-V13-N1-1-15</a>	White, B.E. (2018). Fathoming the future of artificially intelligent robots. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 1-15. <a href="https://doi.org/10.2495/DNE-V13-N1-1-15">https://doi.org/10.2495/DNE-V13-N1-1-15</a>
248	Bertotti, M.L., Chattopadhyay, A.K., Modanese, G.	Uncertainty dynamics in a model of economic inequality	additive and multiplicative noise, economic inequality, income distribution, social mobility	13, 1, 16-22	<a href="https://doi.org/10.2495/DNE-V13-N1-16-22">https://doi.org/10.2495/DNE-V13-N1-16-22</a>	Bertotti, M.L., Chattopadhyay, A.K., Modanese, G. (2018). Uncertainty dynamics in a model of economic inequality. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 16-22. <a href="https://doi.org/10.2495/DNE-V13-N1-16-22">https://doi.org/10.2495/DNE-V13-N1-16-22</a>
249	Warren Axelrod, C.	Integrating in-vehicle, vehicle-to-vehicle, and intelligent roadway systems	adaptive, autonomous, complex, complicated, driverless, in-vehicle, self-driving, self-organizing, systems-of-systems, vehicle and traffic control systems, vehicle-to-infrastructure, vehicle-to-vehicle.	13, 1, 23-38	<a href="https://doi.org/10.2495/DNE-V13-N1-23-38">https://doi.org/10.2495/DNE-V13-N1-23-38</a>	Warren Axelrod, C. (2018). Integrating in-vehicle, vehicle-to-vehicle, and intelligent roadway systems. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 23-38. <a href="https://doi.org/10.2495/DNE-V13-N1-23-38">https://doi.org/10.2495/DNE-V13-N1-23-38</a>
250	Skobelev, P., Budsev, D., Brankovsky, A., Voschuk, G.	Multi-agent tasks scheduling for coordinated actions of unmanned aerial vehicles acting in group	adaptability, coordinated control, drones, dynamic rescheduling, intelligence, multi-agent systems, real time, uav, unmanned aerial vehicle	13, 1, 39-45	<a href="https://doi.org/10.2495/DNE-V13-N1-39-45">https://doi.org/10.2495/DNE-V13-N1-39-45</a>	Skobelev, P., Budsev, D., Brankovsky, A., Voschuk, G. (2018). Multi-agent tasks scheduling for coordinated actions of unmanned aerial vehicles acting in group. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 39-45. <a href="https://doi.org/10.2495/DNE-V13-N1-39-45">https://doi.org/10.2495/DNE-V13-N1-39-45</a>
251	Barelkowski, R.	Design process as complex system	architectural design process, complex system, complexity, meta-design	13, 1, 46-59	<a href="https://doi.org/10.2495/DNE-V13-N1-46-59">https://doi.org/10.2495/DNE-V13-N1-46-59</a>	Barelkowski, R. (2018). Design process as complex system. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 46-59. <a href="https://doi.org/10.2495/DNE-V13-N1-46-59">https://doi.org/10.2495/DNE-V13-N1-46-59</a>
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253	Hoyland, C.A.	The reinforced enterprise business architecture (rebar) ontology	business plans, enterprise, knowledge management, ontology, semantic web, strategic goals, systems engineering	13, 1, 71-81	<a href="https://doi.org/10.2495/DNE-V13-N1-71-81">https://doi.org/10.2495/DNE-V13-N1-71-81</a>	Hoyland, C.A. (2018). The reinforced enterprise business architecture (rebar) ontology. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 71-81. <a href="https://doi.org/10.2495/DNE-V13-N1-71-81">https://doi.org/10.2495/DNE-V13-N1-71-81</a>
254	Porter, T.B., Reischer, R.	A complexity perspective on csr and sustainability: theory and a longitudinal case study	company responsibility, complexity theory, corporate social responsibility, high performance work systems, modern working practices, resilience, strategic human resources management, sustainability, sustainability adoption processes	13, 1, 82-92	<a href="https://doi.org/10.2495/DNE-V13-N1-82-92">https://doi.org/10.2495/DNE-V13-N1-82-92</a>	Porter, T.B., Reischer, R. (2018). A complexity perspective on csr and sustainability: theory and a longitudinal case study. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 82-92. <a href="https://doi.org/10.2495/DNE-V13-N1-82-92">https://doi.org/10.2495/DNE-V13-N1-82-92</a>
255	Taduran, R.J.O., Ranjitkar, S., Hughes, T., Townsend, G., Brook, A.H.	Two complex adaptive systems in human development: further studies of dental and fingerprint parameters	baccolingual, complex adaptive system, dentition, dermatoglyphics, fingerprints, human development, ridge breadth, sexual dimorphism, tooth size	13, 1, 93-100	<a href="https://doi.org/10.2495/DNE-V13-N1-93-100">https://doi.org/10.2495/DNE-V13-N1-93-100</a>	Taduran, R.J.O., Ranjitkar, S., Hughes, T., Townsend, G., Brook, A.H. (2018). Two complex adaptive systems in human development: further studies of dental and fingerprint parameters. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 93-100. <a href="https://doi.org/10.2495/DNE-V13-N1-93-100">https://doi.org/10.2495/DNE-V13-N1-93-100</a>
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258	Sassani, S., Patel, D., Farella, M., Henneberg, M., Ranjitkar, S., Yong, R., Swindells, S., Brook, A.H.	Variation in tooth crown size and shape are outcomes of the complex adaptive system associated with the tooth number variation of hypodontia	3D-imaging, complex adaptive system, error, hypodontia, inter, intra, linear, measurement, reliability, reproducibility	13, 1, 114-120	<a href="https://doi.org/10.2495/DNE-V13-N1-114-120">https://doi.org/10.2495/DNE-V13-N1-114-120</a>	Sassani, S., Patel, D., Farella, M., Henneberg, M., Ranjitkar, S., Yong, R., Swindells, S., Brook, A.H. (2018). Variation in tooth crown size and shape are outcomes of the complex adaptive system associated with the tooth number variation of hypodontia. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 13, No. 1, pp. 114-120. <a href="https://doi.org/10.2495/DNE-V13-N1-114-120">https://doi.org/10.2495/DNE-V13-N1-114-120</a>
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278	Ketschau, T.J.	Social sustainable development or sustainable social development-two sides of the same coin? the structure of social justice as a normative basis for the social dimension of sustainability	normative, reflexive-dialectical approach, social sustainability, social justice, social development	12, 3, 338-347	<a href="https://doi.org/10.2495/DNE-V12-N3-338-347">https://doi.org/10.2495/DNE-V12-N3-338-347</a>	Ketschau, T.J. (2017). Social sustainable development or sustainable social development-two sides of the same coin? the structure of social justice as a normative basis for the social dimension of sustainability. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 338-347. <a href="https://doi.org/10.2495/DNE-V12-N3-338-347">https://doi.org/10.2495/DNE-V12-N3-338-347</a>
279	Engelseth, P.	Reverse logistics as a complex system: a case study of waste management in the Norwegian offshore petroleum industry	case study, contingency theory, interdependencies, Norwegian petroleum industry, reverse logistics, supply chain management	12, 3, 348-356	<a href="https://doi.org/10.2495/DNE-V12-N3-348-356">https://doi.org/10.2495/DNE-V12-N3-348-356</a>	Engelseth, P. (2017). Reverse logistics as a complex system: a case study of waste management in the Norwegian offshore petroleum industry. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 348-356. <a href="https://doi.org/10.2495/DNE-V12-N3-348-356">https://doi.org/10.2495/DNE-V12-N3-348-356</a>

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281	Devine, S.	The information requirements of complex biological and economic systems with algorithmic information theory	algorithmic information theory, economic complexity and economic order, emergence, energy and economic sustainability, non-equilibrium economics	12, 3, 367-376	<a href="https://doi.org/10.2495/DNE-V12-N3-367-376">https://doi.org/10.2495/DNE-V12-N3-367-376</a>	Devine, S. (2017). The information requirements of complex biological and economic systems with algorithmic information theory. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 367-376. <a href="https://doi.org/10.2495/DNE-V12-N3-367-376">https://doi.org/10.2495/DNE-V12-N3-367-376</a>
282	Clymer, J.R.	Mathematics of complex adaptive systems	complex adaptive systems, intelligent agents, interacting concurrent processes	12, 3, 377-384	<a href="https://doi.org/10.2495/DNE-V12-N3-377-384">https://doi.org/10.2495/DNE-V12-N3-377-384</a>	Clymer, J.R. (2017). Mathematics of complex adaptive systems. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 377-384. <a href="https://doi.org/10.2495/DNE-V12-N3-377-384">https://doi.org/10.2495/DNE-V12-N3-377-384</a>
283	Rosenhouse, J.	Fractals as a metaphor in dialectology	Arabic dialects, dialects, fractals, language	12, 3, 385-395	<a href="https://doi.org/10.2495/DNE-V12-N3-385-395">https://doi.org/10.2495/DNE-V12-N3-385-395</a>	Rosenhouse, J. (2017). Fractals as a metaphor in dialectology. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 3, pp. 385-395. <a href="https://doi.org/10.2495/DNE-V12-N3-385-395">https://doi.org/10.2495/DNE-V12-N3-385-395</a>
284	Boothroyd, R.G.	The Heraclitean nature of time in the platform for life and its relationship with Parmenidean reality	darwinian evolution, heraclitean time, parmenidean time, quantum decoherence, quantum entanglement, qubit design	12, 2, 143-155	<a href="https://doi.org/10.2495/DNE-V12-N2-143-155">https://doi.org/10.2495/DNE-V12-N2-143-155</a>	Boothroyd, R.G. (2017). The Heraclitean nature of time in the platform for life and its relationship with Parmenidean reality. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 143-155. <a href="https://doi.org/10.2495/DNE-V12-N2-143-155">https://doi.org/10.2495/DNE-V12-N2-143-155</a>
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287	Phocas, M.C., Kontovourkis, O., Georgiou, N.I.	High-rise airflow structural concept	bending-active members, high-rise buildings, hybrid systems, kinetic structures	12, 2, 176-184	<a href="https://doi.org/10.2495/DNE-V12-N2-176-184">https://doi.org/10.2495/DNE-V12-N2-176-184</a>	Phocas, M.C., Kontovourkis, O., Georgiou, N.I. (2017). High-rise airflow structural concept. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 176-184. <a href="https://doi.org/10.2495/DNE-V12-N2-176-184">https://doi.org/10.2495/DNE-V12-N2-176-184</a>
288	Kennedy, B.S.	The de Mestral Project: using macro photo-journaling to stimulate interest in bio-inspired design and science, technology, engineering and mathematics disciplines	bio-inspiration, bio-inspired design, biomimicry, biomimetics, interdisciplinary collaboration, innovation, sustainable design, STEM	12, 2, 185-193	<a href="https://doi.org/10.2495/DNE-V12-N2-185-193">https://doi.org/10.2495/DNE-V12-N2-185-193</a>	Kennedy, B.S. (2017). The de Mestral Project: using macro photo-journaling to stimulate interest in bio-inspired design and science, technology, engineering and mathematics disciplines. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 185-193. <a href="https://doi.org/10.2495/DNE-V12-N2-185-193">https://doi.org/10.2495/DNE-V12-N2-185-193</a>
289	Ozer, D.G., Kavakoglu, A.A.	Movement as a design parameter: studio works 2014-2016	architectural design, computational thinking, design education, design thinking, movement	12, 2, 194-203	<a href="https://doi.org/10.2495/DNE-V12-N2-194-203">https://doi.org/10.2495/DNE-V12-N2-194-203</a>	Ozer, D.G., Kavakoglu, A.A. (2017). Movement as a design parameter: studio works 2014-2016. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 194-203. <a href="https://doi.org/10.2495/DNE-V12-N2-194-203">https://doi.org/10.2495/DNE-V12-N2-194-203</a>
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291	El-mahdy, D., Gabr, H.S.	Behavior of natural organisms as a mimicking tool in architecture	biomimicry, computational process, material, organism behavior, performance, rules in nature, responsive, robotic fabrication	12, 2, 214-224	<a href="https://doi.org/10.2495/DNE-V12-N2-214-224">https://doi.org/10.2495/DNE-V12-N2-214-224</a>	El-mahdy, D., Gabr, H.S. (2017). Behavior of natural organisms as a mimicking tool in architecture. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 214-224. <a href="https://doi.org/10.2495/DNE-V12-N2-214-224">https://doi.org/10.2495/DNE-V12-N2-214-224</a>
292	De silva, W.	Nature and buddhist architecture: Sri Lanka	buddhist performance, buddhist architecture, chora, natural landscape, Sri Lanka, sense of place, topos	12, 2, 225-234	<a href="https://doi.org/10.2495/DNE-V12-N2-225-234">https://doi.org/10.2495/DNE-V12-N2-225-234</a>	De silva, W. (2017). Nature and buddhist architecture: Sri Lanka. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 225-234. <a href="https://doi.org/10.2495/DNE-V12-N2-225-234">https://doi.org/10.2495/DNE-V12-N2-225-234</a>
293	Wang, Q., Teuffel, P.	Adaptive structures and design concept of transformable joints	adaptive geometry, adaptive stiffness, control of DOF, deformation, energy dissipation, flexible components, stiff components, transformable joints	12, 2, 235-245	<a href="https://doi.org/10.2495/DNE-V12-N2-235-245">https://doi.org/10.2495/DNE-V12-N2-235-245</a>	Wang, Q., Teuffel, P. (2017). Adaptive structures and design concept of transformable joints. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 2, pp. 235-245. <a href="https://doi.org/10.2495/DNE-V12-N2-235-245">https://doi.org/10.2495/DNE-V12-N2-235-245</a>
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303	Mamusov, V., Matternin, P., Kokin, S.	Swarm intelligence algorithms for the problem of the optimal placement and operation control of reactive power sources into power grids	deep compensation, dynamic optimization problems, operation control, power supply systems, swarm intelligence	12, 1, 101-112	<a href="https://doi.org/10.2495/DNE-V12-N1-101-112">https://doi.org/10.2495/DNE-V12-N1-101-112</a>	Mamusov, V., Matternin, P., Kokin, S. (2017). Swarm intelligence algorithms for the problem of the optimal placement and operation control of reactive power sources into power grids. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 1, pp. 101-112. <a href="https://doi.org/10.2495/DNE-V12-N1-101-112">https://doi.org/10.2495/DNE-V12-N1-101-112</a>
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305	Tyler, E., Cohen, B.	A complexity underpinning for domestic climate mitigation policy in south africa	climate mitigation, complex dynamic systems, complexity thinking, developing country, policy, south africa	12, 1, 124-132	<a href="https://doi.org/10.2495/DNE-V12-N1-124-132">https://doi.org/10.2495/DNE-V12-N1-124-132</a>	Tyler, E., Cohen, B. (2017). A complexity underpinning for domestic climate mitigation policy in south Africa. <i>International Journal of Design &amp; Nature and Ecodynamics</i> , Vol. 12, No. 1, pp. 124-132. <a href="https://doi.org/10.2495/DNE-V12-N1-124-132">https://doi.org/10.2495/DNE-V12-N1-124-132</a>