

Research projects carried out by CGS from 1996 to 30 June 2026

N°	Title	Year
1	Behaviour of reinforced concrete beam-column joints under seismic loading	1996
2	Study of the behaviour factor B of reinforced concrete moment-resisting frames: influence of soil type	
3	Optimisation of the behaviour factor B of reinforced concrete moment-resisting frames through RPA 88	
4	Map of historical maximum intensities	
5	Adaptation of the Drain-Tabs program on Sun station and PC, and user manual	
6	Rapid diagnostic method for buildings and methods for assessing their seismic resistance: influence of building parameters on their seismic damage degree	1997
7	Seismic analysis by the finite element method of structures subjected to multi-support excitations	
8	Seismic behaviour of liquid transport pipelines	
9	Dense strong-motion recording network of Boukourdane, Tipaza: geological and seismological context of the Boukourdane dam site and instrumentation phases in free-field and in-structure	1998
10	Transfer of the response spectrum from the rock substratum to the free surface of a non-homogeneous soil profile	
11	Determination of impedance functions of arbitrarily shaped foundations in a non-homogeneous soil	
12	Influence of masonry infill panels on the behaviour factor B	
13	Study of the behaviour factor of structures braced by reinforced concrete moment-resisting frames	
14	Seismic behaviour of liquid storage tank structures	
15	Experimental seismic data bank and proposal of regulatory response spectra	1999
16	Mapping of frequencies and soil amplification levels in urban areas - case of the city of Algiers	
17	Study on the Algerian experience in the field of repair and strengthening of structures	
18	Study of settlement and differential movement phenomena of structures induced by soil heterogeneities	
19	Non-linear analysis of the dynamic behaviour of soils by the finite element method	
20	Seismic analysis of a soil layer with heterogeneous characteristics: theoretical formulation of the analysis method, programming and numerical implementation	
21	Determination of impedance functions of arbitrarily shaped embedded foundations in a non-homogeneous soil: formulation of the three-dimensional model of multi-layered soil-rigid foundations interaction of arbitrary shapes – Phase n°2	2000
22	Instrumentation program of dense arrays, experimental analysis of site effects and validation of existing methods: bibliographic analysis of analytical, numerical and experimental methods for the description and estimation of site effects	
23	Study of settlement and differential movement phenomena of structures induced by	

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	soil heterogeneities	
24	Seismic analysis of a heterogeneous soil layer	
25	Characterisation of the Ain Temouchent earthquake: main shock of 22/12/1999 and aftershock of 27/01/2000	
26	Ambient vibration test carried out on the new Houari Boumédiène airport terminal structure	
27	Transfer of the response spectrum from the rock substratum to the free surface of a non-homogeneous soil profile	
28	Study of the Algerian experience in the field of repair and strengthening of structures: inventory of strengthening and repair methods used in Algeria	
29	Identification and calibration of dynamic behaviour models of structures from experimental vibrations	2001
30	Numerical generation of artificial seismic signals for dynamic analysis in the context of the new Algerian seismic code, RPA 1999: generation of seismic signals compatible with regulatory response spectra using the random phase sinusoids method	
31	Method for seismic vulnerability analysis of constructions	
32	Study of the Algerian experience in the field of repair and strengthening of structures	
33	Statistical study on the dynamic characteristics of civil engineering structures (bridges and water towers)	
34	Development of vulnerability functions for the city of Algiers: inventory, classification and categorisation of buildings	
35	Statistical study on the dynamic characteristics of buildings	
36	Propagation of seismic waves in porous media	
37	Characterisation of the seismic motion at rock from the deconvolution of free-field recorded seismic motions: dynamic characterisation of sites under the effect of different types of waves	
38	Method for seismic vulnerability analysis of steel structures	2002
39	Behaviour of concrete under high loading rates	
40	Generation of transfer functions by the ARMA method: applications to defect detection in buildings	
41	Influence of seismic isolators on the dynamic response of buildings: seismic isolation and energy dissipation system for strong earthquakes – the effects of seismic isolation and energy dissipation in buildings	
42	Modelling of asymmetric buildings	
43	Development of attenuation laws at rock from the deconvolution of surface recorded seismic motions: characterisation of dynamic profiles from the strong-motion database	
44	Experimental determination of dynamic soil characteristics for the identification of site effects	2003
45	Identification and characterisation of damage in reinforced concrete moment-	

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	resisting frames	
46	Characterisation of the Boumerdes earthquake: analysis of the recordings of the main shock of 21/05/2003	
47	Palaeoseismological investigations in Oranie	
48	Generation of transfer functions by the ARMA method	
49	Development of an approach for active fault investigations: application to the Babors region – analysis and interpretation of aerial photographs	
50	Characterisation of the fault that generated the Boumerdes earthquake from seismometric and accelerometric data	2004
51	Palaeoseismological investigations and their implication on the seismic hazard of the Algiers-Boumerdes region	
52	Quantification of site effects following the Boumerdes earthquake from seismometric and accelerometric measurements	
53	Seismic vulnerability of traditional urban buildings with arcaded facades on the first two levels: study of structural typology and sampling	
54	Method for seismic vulnerability analysis of industrial constructions	2005
55	Evaluation of post-seismic building classification and assessment of rehabilitations brought to buildings affected by an earthquake. Use of seismic ambient noise	
56	Diagnosis of structures by dynamic methods	
57	Development of a methodology for earthquake location using modification of weights given to arrival times	
58	Analysis of stochastic response of structures under seismic excitation	
59	Establishment of a geotechnical database	
60	Neotectonics of the Bouzaréah region	
61	Fault trace detection by the geophysical ambient noise method (H/V)	
62	Experimental determination of dynamic soil characteristics for the identification of site effects	
63	Study of the P-Delta effect in high-rise buildings subjected to seismic action	
64	Development of attenuation laws at rock from the deconvolution of surface recorded seismic motions: determination by deconvolution of accelerations at rock and development of a strong-motion database at rock	
65	Structural control of buildings by energy dissipation devices	
66	Palaeoseismological investigations and their implication on the seismic hazard of the Algiers-Boumerdes region	
67	Method for seismic vulnerability analysis of steel buildings	
68	Characterisation of the fault that generated the Boumerdes earthquake from seismometric and accelerometric data: constitution of a seismometric database recorded by the CGS mobile seismograph network: establishment of the catalogue	
69	Comparison of the performance of construction systems in Algeria with respect to seismic loading	2006
70	Development of a vulnerability assessment methodology for rapid seismic alert	

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71	Study of non-linear models and their effects on the seismic response of soil layers	
72	Numerical investigation of unstable slopes subjected to earthquakes	
73	Influence of seismic source parameters, propagation path and site on the response of structures	
74	Development of fragility functions for reinforced concrete bridge piers	
75	Study of the dynamic behaviour of a construction with load-bearing masonry walls of confined brick masonry	
76	Behaviour of reactive powder concretes under cyclic loading	
77	High-performance concretes	
78	Diagnosis of structures by dynamic methods	
79	Contribution of hydrographic network analysis to the identification of active geological structures and applications in Algeria	
80	Identification, characterisation and ranking of active faults in Kabylia	
81	Dynamic analysis under ambient loading of a cable-stayed bridge in the wilaya of Mila	
82	Analysis of stochastic response of structures under random seismic excitations	
83	Study of the dynamic behaviour of a reinforced concrete bridge on the Oued Oumazer - Cherrhell (Wilaya of Tipaza) before and after strengthening with composite materials	2007
84	Study of seismic response on the Neogene basin of the Mitidja. Site effects, structure and evaluation of seismic wave velocities P, S and Rayleigh	
85	Characterisation of the seismic source from the inversion of seismological and accelerometric data recorded during the Laalam earthquake of March 20, 2006	
86	Mapping and uplift of marine terraces along the Algiers coast: Quantification of recent tectonic movements	
87	Development of spectral attenuation laws accounting for major earthquakes in Algeria	
88	Contribution of accelerometric recordings to test the performance of Algerian regulatory spectra and their relation to soil classification	
89	Design and dynamic analysis of structures on seismic isolators: bibliographic research concerning the theoretical aspects of seismic isolation technique for structures	
90	Design and static and dynamic analysis of structures on seismic isolators: instrumentation of the CTC - Chlef - Ain Defla agency	
91	Design and static and dynamic analysis of structures on seismic isolators: parametric and comparative study	
92	Structural control of buildings by energy dissipation devices: characterisation of the energy dissipator	
93	Seismic microzonation study of the wilaya of Algiers	
94	Analysis of stochastic response of structures under random seismic excitations	
95	Critical excitation for the design of structures accounting for the non-stationarity of earthquakes	2008

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96	Use of geotechnical, geophysical and ambient noise measurements for mapping vibration frequencies and seismic amplifications in the wilaya of Algiers	
97	Seismic performance of reinforced concrete bridge piers: case of Algerian bridge piers	
98	Use of geotechnical, geophysical and ambient noise measurements for mapping vibration frequencies and seismic amplifications in the wilaya of Algiers	
99	Seismic microzonation study of urban sites in the wilaya of Boumerdes	
100	Seismic microzonation study of the wilaya of Tipaza	
101	Seismic microzonation study of the Terga 3X400 MW combined cycle power plant: CGS/ALSTOM contract	
102	Geological and palaeoseismological investigations in the Jijel region (Algeria)	2009
103	Study of seismic risk on the Bay of Algiers: site effects and evaluation of seismic wave velocities (P, S and Rayleigh): pre-installation, deinstallation of the temporary RISC network and analysis of first data for station calibration	
104	Development of spectral attenuation laws accounting for major earthquakes in Algeria: development of experimental attenuation laws	
105	Critical excitation for the design of structures accounting for the non-stationarity of earthquakes	
106	Use of geotechnical, geophysical and ambient noise measurements for mapping vibration frequencies and seismic amplifications in the wilaya of Algiers	
107	Development of a methodology for earthquake location using modification of weights given to arrival times: catalogue of arrival times	
108	Influence of the type of floor slabs on the distribution of seismic design load	2010
109	Spectral calculation of seismic hazard accounting for attenuation laws developed for Algeria	
110	Estimation of seismic source potentials on land and at sea on both sides of the Africa-Europe plate boundary in North-Eastern Algeria	
111	Development of seismotectonic maps of the Ain Defla, Relizane, Mostaganem and Tlemcen regions	
112	Physical simulation of environmental parameters affecting seismic motion for their characterisation	
113	Performance-Based Seismic Design (PBSD) procedures for the future Algerian code	
114	Development of seismotectonic maps of the Ain Defla, Relizane, Mostaganem and Tlemcen regions	
115	Investigation of the behaviour of clayey soils on slopes subjected to seismic action	
116	Use of geotechnical, geophysical and ambient noise measurements for mapping vibration frequencies and seismic amplifications in the wilaya of Algiers	2011
117	Search for evidence of palaeoseismicity in Plio-Quaternary deposits of the Boumerdes region	
118	Non-linear seismic analysis of buildings accounting for the Algerian accelerometric database – Contribution to the development of the regulatory design spectrum	

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119	Detailed seismotectonic mapping of the North-Western region of Algeria	
120	Analysis of seismic behaviour in swampy areas (Dried Black Lake, El Tarf) and coastal extensions (Sablettes, Algiers)	
121	Analysis of site effects and damage in the two communes of the Boumerdes region: Boumerdes and Zemmouri	
122	Use of satellite imagery for post-seismic damage detection	
123	Numerical modelling of the CGS shaking table and experimental verification	
124	Spectral calculation of seismic hazard accounting for attenuation laws developed for Algeria: development of the performance of the seismic hazard calculation tool	
125	Geological and palaeoseismological investigations in the Jijel region (Algeria)	
126	Evaluation of the seismic performance of reinforced concrete moment-resisting frames: application of the Capacity Spectrum Method (CSM) for the determination of seismic capacity of structures designed by the Algerian code and a critical review of chapters 3 and 4 of RPA 99 version 2003	
127	Development of seismotectonic maps of the Ain Defla, Relizane, Mostaganem and Tlemcen regions: compilation of seismicity catalogues for the considered regions	
128	Development of a methodology for earthquake relocation using modification of weights given to arrival times	
129	Morphotectonic characterisation of the faults of the Guelma basin in relation with hydrothermalism	2012
130	Experimental determination of dynamic behaviour laws of marls from the Algiers region	
131	Investigations on active faults in the Centre-East regions (Bejaia, Bordj Bou Arreridj and Msila)	
132	Experimental Investigation of the Performance of the CGS Shaking Table Controller in the Compensation and Reproduction of Seismic Excitations	
133	Comparison of the performance of construction systems in Algeria with respect to seismic loading: conclusions and recommendations	
134	Spectral calculation of seismic hazard accounting for attenuation laws developed for Algeria: analysis of uncertainties and disaggregation in a probabilistic seismic hazard estimation. Case of Algiers	
135	Estimation of seismic source potentials on land and at sea on both sides of the Africa-Europe plate boundary in North-Eastern Algeria: mapping of potential hazards on both sides of the Africa-Europe plate boundary	
136	Technical recommendations for the repair and strengthening of existing buildings	
137	Search for evidence of palaeoseismicity in Plio-Quaternary deposits of the Boumerdes region	
138	Vectorial analysis of seismic hazard: Development of conditional seismic hazard maps for Algeria	2013
139	Characterisation and calculation of seismic source parameters in the Mitidja basin using the dense seismograph network	
140	Evaluation of site effects using ambient noise array techniques and spectral ratio	

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	techniques on the Mitidja basin	
141	Characterisation of the Thénia fault zone: implication for local seismic hazard	
142	Interaction of geological hazards and earthquakes: Case of landslides in Petite Kabylie	
143	Development of fragility curves for reinforced concrete bridges	
144	Study of the seismic behaviour of cold-formed steel structures for their integration into regulations	
145	Physical simulation of environmental parameters affecting seismic motion for their characterisation	
146	Numerical and experimental investigations of the seismic performance of reinforced concrete structures braced by L-shaped shear walls	
147	Estimation of the stability of slopes of heterogeneous soils via the Point Estimate Method (PEM)	
148	Masonry wall constructions	
149	Satellite imagery processing for post-seismic damage detection	2014
150	Experimental determination of dynamic soil characteristics for the identification of site effects: exploitation of results and establishment of cyclic behaviour laws of certain soils, the evolution of their shear modulus as well as their damping as a function of deformation levels: numerical simulation of non-linear behaviour laws: reduction of normalised shear modulus and material damping	
151	Experimental determination of dynamic behaviour laws of marls from the Algiers region: behaviour laws and testing procedures	
152	Investigations on active faults in the Centre-East regions (Bejaia, Bordj Bou Arreridj and Msila): development of a preliminary map of active faults from remote sensing and compilation of existing geology and seismicity data	
153	Characterisation of the Thénia fault zone: Implication on local seismic hazard	
154	Correlation between shear wave velocities (Vs) and Standard Penetration Test (N-SPT) results	
155	Dynamic characterisation of sites based on surface wave inversion and quantification of site factors	
156	Analysis of the performance of confined masonry with respect to seismic loading	
157	Correlations between shear wave velocities (Vs) and Standard Penetration Test (N-SPT) results - Applications in the Algiers region	
158	Dynamic characterisation of sites based on surface wave inversion and quantification of site factors	
159	Analysis of the performance of confined masonry with respect to seismic loading	2015
160	Conditional Simulation of Spatially Incoherent Seismic Motions	
161	Proposal of a new approach in the selection of seismic records for non-linear analysis of structures	
162	Search for evidence of palaeoseismicity in Grande Kabylie (Algeria)	
163	Introduction of the spectral ratio method using seismic noise, S waves and Coda waves for site effect estimation	

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164	Applicability of the H/V ambient noise method for the location of tectonic faults	
165	Evidence of the Blida fault from geological and geophysical data: seismotectonic implications	
166	Experimental evaluation of site effect zones and comparison of in-situ H/V ambient noise results with geotechnical data in the city of Algiers	
167	Search and characterisation of active faults in the Centre-West region (Algiers-Tipaza)	
168	Seismic P-Y curves for isolated piles	
169	Influence of spatial variability in depth of poro-elastic soil properties on the responses of shallow foundations using the thin-layer method	
170	Displacement-Based Seismic Design (DBSD) for high-rise buildings	
171	Evaluation of the performance of cold-formed sections under axial loading	
172	Analysis of the performance of reinforced concrete frames with rigid masonry infill by introduction of isolating materials	
173	Vulnerability study of reinforced concrete bridge piers: Application of capacity design according to RPOA-2008	
174	Search and characterisation of active faults in the Centre-West region (Algiers-Tipaza)	
175	Displacement-Based Seismic Design (DBSD) for high-rise buildings	
176	Methodology for the evaluation of performance and seismic damage of bridges in Algeria	
177	Experimental evaluation of site effect zones and comparison of in-situ H/V ambient noise results with geotechnical data in the city of Algiers: bibliographic synthesis on site effects, state of the art on the H/V ambient noise method and types of data used	
178	Dynamic characterisation of sites based on surface wave inversion and quantification of site factors: state of the art of inversion methods, site selection	
179	Morphotectonic characterisation of the faults of the Guelma basin in relation with hydrothermalism: fault segment tracing	
180	Morphotectonic characterisation of the faults of the Guelma basin in relation with hydrothermalism: digitisation and processing of geological maps and aerial photographs	
181	Applicability of the H/V ambient noise method for the location of tectonic faults: bibliographic synthesis on various classical geophysical prospecting methods and H/V noise related to fault research	
182	Search for evidence of palaeoseismicity in Grande Kabylie (Algeria)	
183	Applicability of the H/V ambient noise method for the location of tectonic faults	
184	Experimental evaluation of site effect zones and comparison of in-situ H/V ambient noise results with geotechnical data in the city of Algiers	
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187	Displacement-Based Seismic Design (DBSD) for high-rise buildings	
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189	Proposal of a new approach in the selection of seismic records for non-linear analysis of structures	
190	Introduction of the spectral ratio method using seismic noise, S waves and Coda waves for site effect estimation	
191	Contribution of historical and instrumental seismicity in the determination of active faults in the Blida region	
192	Search and characterisation of active faults in the Centre-West region (Algiers-Tipaza)	
193	Analysis of the performance of confined masonry with respect to seismic loading	
194	Numerical modelling of the CGS shaking table and experimental verifications: development of the numerical model of the Controller-Table-Specimen-Foundation system	
195	Development of fragility functions for reinforced concrete bridges	
196	Behaviour of reinforced concrete beam-column joints under seismic loading	
197	Search and study of seismites in coastal Quaternary deposits of Western Oranie (Wilayas of Oran, Ain Témouchent and Tlemcen)	2016
198	Analysis of the seismic performance of reinforced concrete frames with rigid masonry infill by introduction of an energy dissipating material	
199	Search and study of earthquakes in coastal Quaternary deposits of Western Oranie (Wilayas of Mostaganem, Oran, Ain Témouchent and Tlemcen)	
200	Development of seismic fragility curves for masonry buildings	
201	Methodology for the evaluation of performance and seismic damage of bridges in Algeria	
202	Correlations of liquefaction resistance with in-situ test results and comparison with dynamic analysis of saturated porous media	
203	Use of ambient noise technique on soil and buildings to identify resonance phenomena: Case study of Algiers city centre	
204	Vulnerability of reinforced concrete buildings: Comparison of calculation parameters and experimental parameters	
205	Transient probabilistic study of spectra	2017
206	Analytical and numerical investigation on the contribution of isolation systems in reducing seismic demands in buildings and equipment	
207	Search and study of palaeo-tsunami evidence in the coastal regions of Mostaganem and Jijel	
208	The seismic sequence (2013-2016) of the Blida massif: Seismological and seismotectonic study	
209	Neotectonics of the southern edge of the Chellif Neogene basin and active tectonics in the geological structure of Djebel Meni	
210	Characterisation and palaeoseismology of the Thénia fault zone: implication on seismic hazard and microzonation	

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211	Mapping and modelling of hydrogeological hazards in the Saybouse basin: Implication of seismic effects	
212	Correlations of liquefaction resistance with in-situ test results - Comparison with dynamic analysis of saturated porous media	
213	Simulation of strong seismic motion for major earthquakes in Algeria. Example of the Boumerdes earthquake (Mw 6.8)	2018
214	Analysis and mapping of boundary faults of Neogene basins in Constantinois: Proposal of a neotectonic model - case of the Tleghma basin	
215	Mapping of the "landslide" hazard using probabilistic modelling at a large scale	
216	Comparison of ambient vibration array results with borehole seismic data	
217	Multidisciplinary approach for mapping earthquake-induced flood potential. Application in Eastern Algeria (Guelma and Skikda)	
218	Contribution to the improvement of the seismic performance of reinforced concrete frames with masonry infill	2019
219	Inventory of recent geological deformations in the Tellian chain: Seismotectonic contribution and seismic hazard	
220	Evaluation of Coda wave attenuation Q_c in the Algiers region and its surroundings	
221	Seismic behaviour of soil rupture zones (tectonic and gravitational displacements) by active and passive methods and spatial and temporal evolution: Applications on real cases in the Tellian Atlas and Saharan Atlas	
222	Ground Motion Prediction Equation (GMPE) for the vertical seismic component for Algeria	
223	Identification of substratum-free surface velocity profiles from H/V ambient noise measurements combined with geotechnical data	
224	Seismic vulnerability of existing buildings in Algeria: Development of vulnerability functions	2020
225	Seismic ambient noise tomography in the Mitidja basin	
226	Surface ruptures of active strike-slip faults in the Northern Algerian region: implications for seismic microzonation	
227	Evaluation of soil seismic vulnerability to liquefaction by ambient vibration analysis	
228	Inventory of recent geological deformations in the Tellian chain: Seismotectonic contribution and seismic hazard	
229	Dynamic properties and liquefaction potential of sands in the Boumerdes region - Application for seismic site analyses	
230	Experimental characterisation of the cyclic behaviour of cohesive soils of the Algiers region	
231	Development of regulatory design spectra for Algeria from a regional accelerometric database	
232	Analysis of the seismic performance of reinforced concrete moment-resisting frames in the context of Algerian seismic regulations	
233	Development of fragility curves for bridges accounting for foundation soil	

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234	Probabilistic approach for seismic hazard calculation at free surface with non-ergodic consideration of site effect. Example of application for real sites	
235	Instability of retaining walls under seismic action	2021
236	Search for neotectonic markers in the coastal regions of Béjaia, Jijel and Collo	
237	Neotectonics, seismotectonics and active tectonics in the Beni Slimane Neogene basin	
238	Instability of retaining walls under seismic action	
239	Search for neotectonic markers in the coastal regions of Béjaia, Jijel and Collo	
240	Neotectonics, seismotectonics and active tectonics in the Beni Slimane Neogene basin	
241	Investigations of the Mila earthquake-induced landslide: Implication for Microzonation studies	
242	Dynamic characterisation of site conditions of accelerometric recording stations for the deconvolution of acceleration at rock	
243	Contribution to the introduction of capacity methods in future versions of the RPA	2022
244	Determination of the velocity model of the central region by seismic tomography	
245	Analysis of uncertainties related to the processing of seismicity in Algeria and impact on probabilistic seismic hazard studies	
246	Contribution of satellite imagery to the extraction of geological lineaments in the Béjaïa region (North-Eastern Algeria)	
247	Slope Escarpments, Width of Tectonic Shear Zones and Core of Active Faults: Field Evidence and Analysis by Geophysical Tool	
248	Identification of velocity profiles from ambient noise recordings by inversion of HVSr spectral ratios	
249	Land instabilities in the Blida region: implication on seismic microzonation	
250	Contribution of remote sensing to seismic microzonation studies	
251	Optimal intensity measure for Algerian road bridges using fragility curves	2023
252	Effect of masonry infill on the global behaviour factor of reinforced concrete moment-resisting frames in the context of Algerian Seismic Regulations (RPA 99/2003)	
253	Experimental study of the performance of wood-cold-formed steel composite studs under axial loading	
254	Experimental and numerical evaluation of the effect of parameters influencing the seismic behaviour of RC structures	
255	Consolidation of geological and morpho-tectonic data for the reduction of uncertainties on seismic hazard	
256	Indirect evidence of palaeoseismicity in the Tipaza region	
257	Selection of accelerograms using hierarchical agglomerative classification method	
258	Evaluation of the basin effect on seismic motion amplification by empirical methods: Case of the Mitidja basin	
259	Integration of new geological and geophysical data into tectonic models of active	

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	faults	
260	Analysis of HVSR spectral ratio curves of ambient vibration in the evaluation of site effects	
261	Seismic performance of buildings with flat slab floors in reinforced concrete	
262	Evaluation of the resilience of constructions to earthquakes in Algeria: application to the city of Blida	
263	Experimental and numerical investigations of the dynamic response of the reaction mass of the CGS shaking table	
264	North-Algerian seismogenic zones and faults: distribution analysis in the Tellian Atlas and contribution to regulations	2024
265	Evaluation of the dynamic characteristics of the stands of the Baraki "Nelson Mandela" stadium and comparison with soil layer vibration parameters, using ambient vibrations	
266	Geological and geophysical study of the Chenoua fault	
267	Evaluation of site effects at accelerometric recording stations	
268	Intelligent design of CFS studs: a BIM-based approach	
269	Diagnosis and strengthening of reinforced concrete bridge piers	2025
270	Development of a strong seismic motion database for earthquakes in Algeria (1985-2024)	
271	Search for traces of palaeoearthquakes in the Annaba and El Tarf region	
272	New estimation of slope stability under a real accelerogram	
273	Landslide susceptibility mapping by Frequency Ratio (FR) and Analytical Hierarchy Process (AHP) methods in the Annaba region	
274	Evaluation and mapping of landslide hazard stricto sensu by deterministic methods at urban site scale	
275	Surface ruptures and fold-related deformations	
276	Geomorphology of active fault escarpments in the Algiers region: field evidence and modelling	
277	Estimation of uncertainties in seismic site response related to geophysical investigations: Application for real sites	2026
278	Empirical correlations between shear wave velocities (Vs) and pressuremeter parameters (E-Pl) for cohesive soils	
279	Tsunami Hazard along the North Algerian coast: Field investigation and modelling	
280	Neotectonics, seismotectonics and active tectonics of the eastern part of the Beni Slimane Neogene basin (Central Tell, Algeria): investigations on recent deformation and the context of the Aumale earthquake (1910, Ms 6.6)	
281	Evaluation of the new design approach for shear walls according to RPA 2024 compared to the former method, within the framework of continuous improvement of the Algerian seismic code	
282	New approach for seismic vulnerability assessment of structures by experimental ambient vibration analysis - Pilot project	
283	Prediction and mitigation of seismic impacts at urban scale: an artificial	

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	intelligence-based approach (case of the city of Tipaza)	
284	Comparative Mapping of Landslide Susceptibility by Geospatial Approaches and Machine Learning: Case of the Tipaza-Cherchell Region	
285	Development of a methodological guide for non-linear dynamic analysis of high-rise buildings in the context of RPA2024	