Karst hydrology: Recent developments and open questions p. 3
Measuring strain and stress from sinkhole distribution: Example of the Velebit mountain range, Dinarides, Croatia p. 25
Shallow karst in a breached anticline p. 31
Spatial relationships between new and old sinkholes in covered karst, Albany, Georgia, USA p. 37
An investigation into the factors causing sinkhole development at a site in Northampton County, Pennsylvania p. 45
Deep karst conduits, flooding and sinkholes: Lessons for the aggregates industry p. 51
A geologic framework in karst: US Geological Survey contributions to the hydrogeology of the Ozarks of Missouri p. 57
Topographic and hydrogeologic controls on sinkhole formation associated with quarry dewatering p. 63
Applications of GIS technology to the triggering phenomena of sinkholes in Central Florida p. 67
Casual hydrofracturing theory and its application for sinkhole development prediction in the area of Novovoronezh Nuclear Power House-2 (NV NPH-2), Russia p. 77
Karst atlas for Kentucky p. 85
Geohazard map of cover-collapse sinkholes in the ‘Tournaisis’ area, southern Belgium p. 91
Predicting the distribution of dissolution pipes in the chalk of southern England using high resolution stratigraphy and geomorphological domain characterisation p. 97
Is human activity accelerating karst evolution? p. 103
Site selection and design considerations for construction in karst terrain/sinkhole-prone areas p. 107
Not your typical karst: Characteristics of the Knox Group, southeastern US p. 111
Detection and treatment of karst cavities in Kuwait p. 123
Engineering approaches to conditions created by a combination of karst and faulting at a hospital in Birmingham, Alabama p. 129
Remedial measures for residential structures damaged by sinkhole activity p. 135
Hydrogeological monitoring strategies for investigating subsidence problems potentially attributable to gypsum karstification p. 141
Engineers challenged by Mother Nature’s twist of geology p. 149
Compaction grouting versus cap grouting for sinkhole remediation in east Tennessee p. 157
The role of the geological engineering consultant in residential sinkhole damage investigations p. 165
Karst and engineering practice p. 171
Replacing the Beards Creek bridge p. 179
Application of electrical resistivity tomography and natural-potential technology to delineate potential sinkhole collapse areas in a covered karst terrane p. 187
Characterizing karst conditions at a low-level radioactive DOE site p. 195
Microgravity techniques for subsurface investigations of sinkhole collapses and for detection of groundwater flow paths through karst aquifers p. 203
Two-dimensional resistivity profiling; geophysical weapon of choice in karst terrain for engineering applications

Karst system characterization utilizing surface geophysical, borehole geophysical and dye tracing techniques

Integrated geophysical surveys applied to karstic studies

A case study of the reliability of multi-electrode earth resistivity testing for geotechnical investigations in karst terrains

Remediation of leakage of an earth-filled dam and reservoir by geophysically-directed grouting, Washington, Missouri

Education about and management of sinkholes in karst areas: Initial efforts in Lebanon County, Pennsylvania

Irish methodologies for karst aquifer protection

Maryland's zone of dewatering influence law for limestone quarries

Regulating construction of manure storage systems in sinkhole prone areas of Minnesota

Karst groundwater basin delineation, Fort Knox, Kentucky

Dye study tracks historical pathway of VOC-bearing industrial waste water from failed pond at metals coating facility

A method for correction of variable background fluorescence in filter fluorometry

Non-linear curve-fitting analysis as a tool for identifying and quantifying multiple fluorescence tracer dyes present in samples analyzed with a spectrofluorophotometer and collected as part of a dye tracer study of groundwater flow

Shallow lateral DNAPL migration within slightly dipping limestone, southwestern Kentucky

Environmental characterization of karstic terrains: A case study for the practical application of stable isotope ratios and anion/cation analysis of ground water

The protection of a karst water resource from the example of the Larzac karst plateau (south of France). A matter of regulations or a matter of process knowledge?

Resources and quality of waters in limestone areas of Peddavanka watershed, A.P., India

Transport and variability of trace metals in a karst aquifer based on spring chemistry

Use of GORE-SORBER modules to screen for organic contaminants in karst springs

Design of geotechnical fabrics for septic systems in karst

The environmental hazards of locating wastewater impoundments in karst terrain

Stability evaluation for the siting of municipal landfills in karst

Simulating time-varying cave flow and water levels using the Storm Water Management Model (SWMM)

Stormwater management design in karst terrane adjusting hydrology models and using karstic features

A review of stormwater best management practices for karst areas

Highway engineering geology of karst collapse features in the Sacramento Mountains, Otero and Lincoln Counties, New Mexico

Road and bridge construction across gypsum karst in England
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remediation of sinkholes along Virginia’s highways</td>
<td>413</td>
</tr>
<tr>
<td>The vulnerability map of karst along highways in Slovenia</td>
<td>419</td>
</tr>
<tr>
<td>The system of antikarst protection on railways of Russia</td>
<td>423</td>
</tr>
<tr>
<td>Geotechnical engineering and geology for a highway through cone karst in Puerto Rico</td>
<td>431</td>
</tr>
<tr>
<td>Pre-conference field trip: Karst geology and hydrogeology of the Ridge and Valley and Piedmont Provinces of south-central Pennsylvania</td>
<td>449</td>
</tr>
<tr>
<td>Email addresses</td>
<td>475</td>
</tr>
<tr>
<td>Author index</td>
<td>477</td>
</tr>
</tbody>
</table>

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.