عنوان فارسی مقاله:
رویکرد محاسبات نرم افزاری برای مدلسازی رواناب - بارش:
یک نقد و بررسی

عنوان انگلیسی مقاله:
Soft computing approach for rainfall-runoff modelling: A review

توجه!
این فايل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک نمایید.
4. Conclusions

Rainfall-runoff interactions and their correct assessment form an integral part of any hydrological study. The complex, ambiguous and non-linear factors affecting the rainfall-runoff relations, makes its mathematical modelling a difficult task. Such situations demand for nature inspired computational tools to deal with the real life phenomenon which are always subjected to imprecise, ambiguous and noisy information. Soft computing through amalgamation of probabilistic, statistical and optimization techniques into the computing environment, has presented a suitable replacement substitute to traditional mathematical techniques. Fusion of these methodologies has given a new dimension to computing, in which human behaviour resembling capability of reasoning, intuition, consciousness and wisdom can be combined through software programming. Though these computational tools do not offer exact answers, yet they provide a sound decision oriented solutions to the problems influenced by vague and noisy information.