

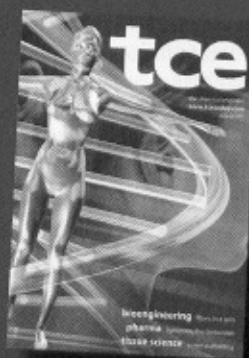
features

Biochem 1 Sean Milmo peers across the biofibre horizon	26
Biochem 2 Helen Watling profiles the expansion of heap bioleaching technology	30
Biochem 3 Mark Eccleston recruits nature to the cause of engineering	33
Biochem 4 Nano-pharma breakthrough with Wendy Laursen	36
Pharma 1 Chris Davis explains bioburden control	38
Pharma 2 A practical and systematic containment approach, courtesy of Huw Thomas	42
Tissue engineering Wendy Laursen talks tissue generation improvements	44
Employment Sarah Taylor helps you find the perfect candidate to fill a role	46

regulars

Catalyst Tony Cass on the exciting meeting of medicine, engineering, and the physical sciences	2	Sharewatch David Appleyard looks at the shifting face of pharma	22
Analysis Oil calamity; Shtokman partner chosen; BP broadens green credentials; IChemE defines "capture ready"	3	Guest author David Bogle on the need to develop more biochemical engineers	24
Asia Japan's nuclear fears shaken; India plans climate change policy; China reacts to consumer product woes	9	Day in the life Maaik Kroon tells Claudia Flavell-White about her life as a young assistant professor	48
UK Bioethanol goes to Hull; Desalinating on the Thames; Defra launches consultation	10	Member networks ETB evolution; IChemE membership seminar; Brown's global vision for IChemE	50
Americas EdF's nuclear joint venture; Amazon to be dammed; Merritt pleads to Senate	12	People Ex-IChemE ceo heads for ATSE; IChemE fellows in the RAE; Hackitt at the HSC	52
Australia Mining mergers heat up; Clean coal effort for NSW; Water options must remain open	13	Campus Adam Duckett talks to Jeremy Colls and Michael Steven about fighting the corner for CCS	54
Contracts UK pyrolysis to consume food; Lindsey expands; Alstom agrees carbon capture demonstration	14	University update Institute's royal opening; Funding for second generation biofuels; Biosensor collaboration	56
Innovations Chimera glue; Buckyballs vs allergies; Nanotubes mimic muscle; Species conversion	16	Reactions	58
Process news Novel ceramic solution; Nuclear CCGT blend; Gasclam for methane detection; Depolymerisation with ionic liquids	17	Diary of events	60
Interview Adam Duckett examines innovation at PSE	19	In the journals Matt Stalker offers an insight into IChemE's latest journal content	62
Legalwatch Posing the position of project manager with Derryn Rolfe	20	Appointments	64
		Residue Dubious experts; The Brown effect; Illuminating joke	76
		in the September issue sustainability, green chemistry, process intensification	

cover story

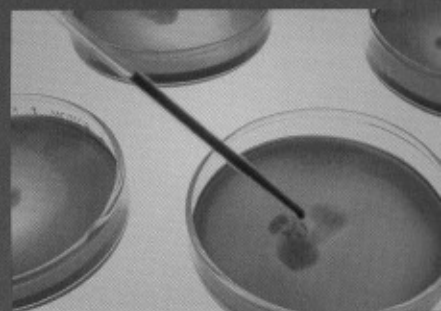


Cover: life on the engineering/lifescience divide – p26

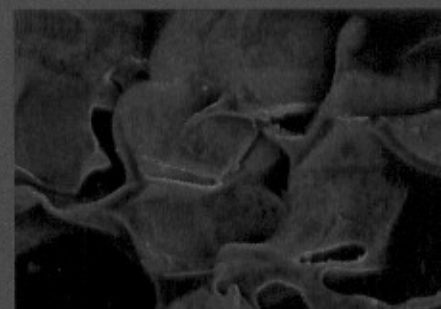
guest author



wanted: more bioengineers – p24



Bioburden: control is the key – p38



Tissue scaffolds: supporting the next generation – p44