



I have been a member of the BPS for over 20 years, as a student, a graduate member, an associate fellow and finally as a chartered psychologist. Membership not only enables me to keep in touch with developments, both academic and political,

within my profession, but also to demonstrate to potential clients and employers alike that my credentials are legitimate, and that I am bound by a code of conduct that governs my research practices.

I was keen to apply for CSci status as I felt that this would enhance my reputation and demonstrate that my training and experience are at a level commensurate with other professions. The application process was no different from the BPS procedures for associate fellow or chartered status.

The benefit of CSci to me as an individual means that when generating a press release, or responding to a media call, my credibility as a scientist is apparent. For psychologists generally, this accreditation serves as part of the professional development that we must all adhere to. Prior to the regulation of our profession, CSci provides an additional guarantee of professional competence. Having a benchmark of ability for

practitioners of science will help to maintain the confidence of both public and professional.

In my role as Health Services Research Coordinator for an NHS Foundation Trust, I am often asked to comment on the findings of research and to present our own studies to the public. It is important for these messages to be credible, and CSci will prove to be a valuable asset in this process.

I am particularly interested in the application of evidence-based practice in the addictions field. Part of my current role is to encourage and support (from a bottom-up approach) research amongst clinical teams – this is important for their own personal and professional development. I take a pragmatic approach to undertaking research in the field – to me it is important that the lessons learnt in a clinical trial can be easily integrated into routine practice, and for this reason I try to take a real world approach in the design of research protocols, giving those professionals I work with a sense of ownership of the research and assurance that they have an input into the way that studies are developed and integrated.

Professor Stephen Palmer

CSci CPsychol CBiol AFBPsS

CSci
Chartered Scientist



Membership of professional bodies is an important part of one's career development. They provide a framework for recognised qualifications and continuing professional development. They actively encourage members to become

involved in the wider professional community and also inform the public about our work. As a Chartered Psychologist I have always seen myself as a practitioner and scientist. However these are not really dual roles as psychological theory and research inform my practice. When the opportunity arose to apply for CSci status I realised that this would accurately reflect my work.

As Director of the UK's first university based Coaching Psychology Unit at City University in London, I supervise four doctorate students focusing on new areas of research in the coaching psychology field. We publish many papers on different aspects of coaching, stress and well-being, helping both employees and organisations. I believe that CSci will be a new direction for researchers in my field to work towards. The BPS and the Science Council are to be congratulated in making available this career path.

There are many fulfilling aspects to my work, such as assisting students in undertaking their research, encouraging them to give conference papers and also helping them to publish their research. The publications are an important aspect of our work as I believe that research should not take place in a professional vacuum, isolated from the scientific world. Publishing allows others to comment on our theories and research.

Helping individuals and organisations to manage or prevent stress is a passion of mine. I do this with my training or consultancy hat on. Working with the media provides an excellent opportunity to educate the public about useful research findings on TV, radio and in newspapers/magazines. The writing and editing which I enjoy includes books for both professionals and the layperson. I also edit a number of practitioner and academic journals. My childhood interests in psychology and biology come together in my current work.

For details of how to apply for CSci through the British Psychological Society visit www.bps.org.uk/csci. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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CIWEM is in many ways a natural home for an environmental hydrologist like me, but I recognise it may not meet the needs of all people. CIWEM gained its charter in 1998 but has also been keen to promote the Science Council. I am now a

Chartered Scientist as well as a chartered member of CIWEM, and its current President.

I work in a consulting environment, and being chartered is considered important by my employer. This is because of the need to present a project team which is clearly professionally capable. CSci is regarded by clients as similar to CEng and fits onto the staff profiles in project bids and presentations. It's shorthand for a level of achievement, a professional approach and a commitment to continuing development.

As part of my work with CIWEM I am a member of the business and science professional board which assesses applications for membership of both CIWEM and CSci. This has led to a number of discussions about what is a scientist, and what should we expect a chartered scientist to be like? In my view a professional scientist is somebody who applies scientific principles in their work, by which I mean the collection and

assessment of data, the formulation of theories and predictions, and the testing of them followed by the reassessment of results.

This, together with a scientific education and a commitment to continuing professional development, marks out a chartered scientist in my opinion. The CSci qualification clarifies and promotes these qualities and provides a common framework for practitioners regardless of their specialist subject.

In my present role I am responsible for the hydrology business in Hyder Consulting, a large international consultancy. My interests therefore include the presentation of a competent team to potential clients and the maintenance of acceptable levels of professional and technical performance. CSci helps in both these – it shows that our staff are professionally qualified to a high level and are committed to professional development. We often need to put together teams from a wide background to cover all the elements of a complicated brief. CSci provides a common level of achievement across many disciplines as well as equivalence with chartered engineers.

Helen Wright

MSc CSci CChem CEnv MCIWEM

CSci
Chartered Scientist



I started out as a Chemist in the water industry, working on the analysis and testing of rivers, focussing on potable water. From there I went on to spend three years at the Council for Scientific and Industrial Research in South Africa looking at

innovative techniques such as mass spectrometry and NMR, which was a great learning experience.

I then joined Strathclyde Regional Council where I was Senior Enforcement Officer responsible for looking at trade effluents, their impact on sewers and ultimately the sewage works. I dealt with developing consent conditions for what could enter sewers, from whisky manufacturers to cheese traders in Campbelltown – I came across a fascinating range of types of trade waste. Later, I moved to the British Standards Institute to work on ISO14001, the environmental management standard against which organisations are assessed.

Currently, I am the Environment Manager for O2 UK where my work centres on the development and implementation of corporate risk based strategies for managing the environment, with clear focus on organisational alignment. The biggest environmental impact for us as a Company is energy usage and it is

a challenge to decrease our carbon footprint whilst continuing to grow the network but I believe that reducing energy consumption is critical to building a sustainable business. We have already set goals for energy reduction and waste management.

I have been a Chartered Chemist through the Royal Society of Chemistry for many years, but as my work has taken me into new areas, I have sought membership of other professional bodies such as CIWEM, and more recently I became a Chartered Scientist. The work I do on climate change modelling uses other science disciplines and so I found that being defined first and foremost as a scientist was more relevant.

The Science Council is a wonderful platform for scientists with expertise in such diverse areas to come together. It allows us all to learn from each other and broadens networking opportunities.

For details of how to apply for CSci through the Chartered Institution of Water and Environmental Management visit www.ciwem.org/membership/CSci_info.pdf. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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I currently work as a Senior Food Technologist at Marks and Spencer, where I oversee the safety and quality of the food sold through the Delicatessen category, the largest category in the M&S Food Group.

This involves knowledge and application of a wide range of skills, from food microbiology and processing to HACCP. M&S is known for its innovation and my second major job role involves working with chefs to bring to market new product developments in this area that are safe, nutritious and tasty. I am also Chairman of our Chemistry Policy Group determining product testing policy for the food group.

Each role provides a great deal of job satisfaction in its own way. The first involves constantly reacting to food scares and managing adverse microbiological issues as they arise, most recently the nationwide all-retailer withdrawal of houmous due to possible Salmonella muenchen contamination. How could it have happened? How do we restart production and prevent a reoccurrence? All these are challenging questions. Equally, it is always satisfying to participate in the development and success of a new line.

Joining IFST was important as I believe that in today's 24-hour media world, with analytical techniques constantly evolving to bring to light new issues, the practising Food Technologist needs a professional body to represent them and advise where necessary. Moreover, it is essential to maintain industry standards to have a degree of professional recognition beyond one's employer.

My application for CSci was extremely straightforward. CSci is valuable in providing professional recognition beyond one's own industry to be able to influence the daily change agenda. For example, we know so little about irradiation and once we have it we cannot undo that. There is a 'creep' of irradiated foods and ingredients into Europe and I wonder where this will end.

Food as a building block of health is a science still in its infancy. Almost daily I hear a new pronouncement – 'eat more fat, eat less fat, eat more tomatoes, eat more fruit', and then fruit gets a red traffic light because of sugar! And with the effect of things like beef from South America and vegetables from the Far East on food miles, I have a feeling the diet in a decade may be very different from today.



My interest in joining a professional body was at first mainly to have my qualifications and experience recognised and to be differentiated from less qualified personnel. Participation in the IFST then led me to appreciate the role it plays in

upholding standards and the reputation of my ilk within the food industry.

Because food science is newer and less established than the traditional sciences, it relies upon them for a basis. So, science holds an important position and shows that food and science can interlink, eg biochemistry in nutrition, microbiology in food spoilage, and physical attributes concerned with food processing stability.

My role at CMI Consulting involves the technical data verification of food manufacturing ingredients. I am concerned by society's poor diet and nutrition, and their consequences, as well as environmental matters related to organic food production, food industry wastage and society's disposable attitude.

When I came to apply for CSci, it looked like a 'good offer' – an accreditation which is set by a recognised body seems to be of value, not least as CV fodder. Individually I get recognition from peers and others of my raised status while society is presented with a science that is applied and relevant to their everyday lives. On a wider scale, science needs promoting to youngsters and it gives me the opportunity to support such initiatives.

The credibility of science within the food industry will be enhanced as CSci is accepted as a standard accreditation. This will provide reassurance to the public, particularly in light of food safety scaremongering. The most fulfilling part is that the scientific basis and knowledge is respected and accepted as solid fact over hearsay and conjecture!

Professor Pankaj Vadgama

CSci CChem CPhys FRCPath FInst

CSci
Chartered Scientist



I was nominated to become a Chartered Scientist by the Institute of Materials, of which I am a Fellow, in a special presentation evening. I already held Chartered awards for Chemistry and Physics, as well as being a Fellow of the Royal

College of Pathologists, but I feel that CSci best represents the breadth of disciplines that my current work spans.

Having graduated from the University of Newcastle in Medicine, and somewhat unusually gone on to complete a Chemistry degree, I chose to specialise in Chemical Pathology. From there, my research interest moved into chemical devices used in the blood and body. When I moved to Queen Mary University to take up a more materials oriented position, I joined the IOM3 where I was admitted as a fellow.

In my current role as Director of the Interdisciplinary Research Centre in Biomedical Materials, I run a research group on Biosensors – which monitor biochemicals in patient samples, such as glucose levels in diabetics – as well as working to develop a centre for research into materials for bone, tissue and dental replacement. The work bridges several

disciplines, involving biomolecules, chemistry and metals. In addition, I manage a Clinical Biochemistry Department consisting of a large number of medical scientists, several of whom are themselves Chartered Scientists.

I believe that among the benefits of CSci are that it allows you to aspire to both self-development and quality standards in your professional work. It is also a strong link across disciplines – allowing recognition across subject boundaries and setting a fixed benchmark across the board. Society increasingly expects us to operate at certain professional levels, and we have a responsibility to our own profession and to wider society to show ourselves in that way. I think of CSci as the lingua franca of quality and proficiency.

The Science Council, through its diversity, is potentially an excellent forum across the disciplines. It's essential that we break out of our disciplines, and their Science in Health group for example is a valuable means to achieve this.

For details of how to apply for CSci through the Institute of Materials, Minerals and Mining visit www.iom3.org/membership/profqual.htm. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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Dr Christopher Corti

CSci CEng FIMMM

CSci
Chartered Scientist



Dr Christopher Corti has over 25 years experience in the precious metals industry. As Managing Director, International Technology sector at World Gold Council, London, he was responsible over a period of 10 years for a wide range of technical support

to the jewellery sector worldwide and for promoting the new industrial applications of gold. Currently, he heads the COReGOLD Technology Consultancy and consults for World Gold Council and for the Worshipful Company of Goldsmiths.

His career has been principally in metallurgical and materials science research and development, mainly for commercial applications and, more recently, in promoting commercial exploitation of gold science and technology. Chris has authored/co-authored over 100 publications in the scientific and technical literature and has presented at many conferences.

Dr Corti edited the jewellery technology magazine Gold Technology until it ceased publication in 2002, and is also editor of the highly cited scientific journal Gold Bulletin, which became an e-journal in 2005.

Chris is also a very active member of the Institute of Materials, Minerals and Mining having served on its Council twice and being the current Chairman of both the IOMMM Membership Committee and the Members Benevolent Trust of the IOMMM.

Chris says: “Being a Chartered Scientist is an important recognition by my peers, not only in my chosen discipline but across the scientific spectrum, of my professional skills and knowledge and gives me esteem and confidence in my abilities at an international level.

“In my sector of materials science and technology, CSci is considered potent evidence of our standing within all sectors of science and engineering and demonstrates our professional approach to science and its application to the benefit of both commerce and society. Society recognises this professionalism and its contribution to its wellbeing, be it economic wealth, medical advances or protection of our high community and environment.”

For details of how to apply for CSci through the Institute of Materials, Minerals and Mining visit www.iom3.org/membership/profqual.htm. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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Dr Heather Thompson

CSci CBiol MEI

CSci
Chartered Scientist



Dr Heather Thompson is the Energy and Environmental Management Systems Officer for one of Northern Ireland's largest local authorities, where she has been responsible for the development and delivery of successful energy management

and carbon reduction programmes. She is Chairperson of the NI Local Authority Energy Managers' Forum, contributing to the NI Local Government Association's policy-making process on energy and environmental matters. She is also a member of the NI Planning Policy committee on micro-generation and other forms of renewable energy.

Heather is a Chartered Scientist, a Chartered Biologist and a member of the Energy Institute, and was recently the recipient of the Sustainable Ireland Carbon Trust Energy Manager of the Year award. Her key areas of interest are energy and its related environmental impacts, sustainable development and environmental management. She holds a Masters in Biomedical Science and a PhD in Molecular Microbiology, and is currently taking a further part-time Masters degree in Environmental Management. She is a published author in both the fields of molecular microbiology and energy management, and tutors Masters level students in

Medical Microbiology for the University of Ulster.

"The key roles of my current post are reductions in energy consumption and carbon emissions across the local authority estate. Since taking up my post in July 2004, energy consumption has fallen by 15% and carbon emissions by 33%. As well as energy efficiency measures, a key part of my energy management programme has been the introduction of renewable energy technologies into the government estate, including solar thermal and PV, ground source heat pumps and biomass."

On the subject of her Chartered Scientist status, Heather says, "I applied for Chartered Scientist status through the Energy Institute, and found the application process for membership very straightforward. The CSci designation is a recognition of professional, scientific and technical abilities, and I would recommend it to all other scientists".

For details of how to apply for CSci through the Energy Institute visit www.energyinst.org.uk. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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I have been a member of a professional body since starting at Nene College in 1970 and as my work experience changed and specialised over the years I became a member of the Energy Institute, where I am now a Fellow.

I was motivated to apply for Chartered Scientist following the Energy Institute promotion and details of how the scheme worked. For many years I had been involved in the research and development of innovative projects as well as providing evidence to the House of Lords scientific panel on biomass. I realised that much of my work fell well within the criteria for CSci and complemented the research I had been involved with.

CSci has allowed me to focus on my work in relationship to science and show others that my field is contributing to development of science within our industry and offering a possible route for others.

The energy industry has a high awareness for science-related issues such as climate change and global warming but has failed to recognise the opportunities that our industry has to pioneer science as a key skill and qualification we should be promoting and looking

for. As more in my field complete CSci registration, we can encourage and promote opportunities for young scientists and engineers.

CSci has helped to recognise the research work I had been involved with over a number of years and to make me more aware of how my work was complementary to the science ethos. I feel that clients and other consultants are listening more and taking more notice because of my registration. CSci gives a further accreditation to my skills and reassures clients that I am serious about the issues I work on.

I manage a multidisciplinary office of architects, building service engineers and carbon management team all focussed on sustainable development and maintaining a design solution process for our clients. Climate change is the biggest issue affecting the planet today and needs scientists and engineers to meet the challenge. My work looks not only at the impact on a global scale but also the issues at a local level and how even the smallest projects can have a significant impact on this challenge.

Professor Sir Christopher Evans OBE

CSci CChem FRSC

CSci
Chartered Scientist



Sir Chris Evans is regarded as one of Europe's leading biotechnology entrepreneurs with a proven track record of establishing successful, high quality science companies. In 1996 Sir Christopher founded Merlin Biosciences – currently one of the largest specialist

biomedical venture capital and advisory firms in Europe.

Sir Christopher's first degree, a BSc in Microbiology from Imperial College, was followed by a PhD in Biochemistry and Research Fellowships in Molecular Biology. He has held senior research scientist positions with a number of North American bioscience companies. In 2005 he created the Stem Cell Foundation.

Prof Evans says "I become a member of professional bodies usually because I'm asked to lend my name and reputation to support a body that stands for something important. So I only become a member of something if I think it is a worthwhile institution doing good for others even if it does little for me personally. Various people asked me to become a CSci as I obviously represent a lot of British science when I go about my daily business, which is investing in medical science. I know many Chartered Scientists, and CSci is a useful badge of quality amongst the thousands of

scientists I come across each year in the biomedical sector. I feel CSci is particularly relevant to my work area because, as Chairman of one of Europe's largest biomedical investors I am responsible for picking high quality (albeit risky) projects to back and nurture to develop commercially useful products."

"The most fulfilling part of my job is when we get things spot on! When our money and management input helps build a significant new scientific enterprise that succeeds with its products and so improves the quality of human life. As a consequence we are then able to make useful capital returns for our investors. Scientific issues of most concern to me are those surrounding new medical breakthroughs such as stem cells and gene medicines. Too much regulation and too many short-sighted naysayers get involved to curb the pace of responsible development of such areas. I've always adopted the often controversial approach of sticking my head out of the trench on such issues and getting on with what needs to be done – often with considerable opposition".

For details of how to apply for CSci through the Royal Society of Chemistry visit www.rsc.org/Membership/join/CharteredStatus/CSci.asp. For more information on the benefits of CSci and the competencies required visit www.charteredscientist.org

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As a Lecturer at the University of Strathclyde, my duties include teaching undergraduate courses, supervising undergraduate and postgraduate students, and carrying out research projects.

I had been an Associate Member of the IChemE for 12 years, and as an academic I had put off applying for chartered status until I was 41. At first I was unsure whether chartered status was of any importance to academics. This made me reassess the value of an academic career. I decided that since we are responsible for instilling good practice to large numbers of potential chemical engineers, we do have responsible positions within chemical engineering. I initially applied for the CEng designation, and then read about the CSci information on the IChemE website.

I was initially attracted by CSci because of its emphasis on the fundamental aspects of chemical engineering. I was keen to achieve CSci because my research is on the boundary of chemistry and chemical engineering. I also hope it may be useful in seeking contacts in industry – part of my role as an academic is to secure research funding from a variety of sources.

I applied for CSci as an existing Corporate Member of IChemE and I found the process very straightforward. The whole application process took only four weeks and I actually found the process valuable as it enabled me to view my work from another perspective and consider other potential research projects. For me CSci is a helpful (and constant) reminder that chemical engineering has so many facets and is the only engineering discipline with a science in the title.

I was also attracted to the CSci designation because of the requirement to revalidate my award and produce a CPD plan every five years. This is an aspect of any professional's work for which it is often tempting to push to the bottom of the file or even forget. The five-year timescale is just right, and is probably appropriate to most career plans.



I am a Chartered Scientist and a member of the Institute of Mathematics and its Application (IMA). Since 2002, I have been a Mathematical Modelling Consultant for the LSC Group, an expert analytical consultancy, in a wide range of industrial

sectors including Defence, Energy, Railway industries as well as Governmental Departments.

I joined the IMA in 1997 – believing then as I do now, that mathematics is the poetry of logical ideas – as I was inspired by their scientific application of mathematical models. My application for CSci status considered my current job role, as well as my other experiences since graduation. These include, for example, a range of projects from investigating mathematically the psychological effect of the volcanic eruption on the people of the Caribbean island of Montserrat, to writing an adaptive mesh mathematical algorithm to aid the modelling of airflow through an aircraft engine. My work has taken me near and far; I have worked in the Netherlands and France, and, to this day, I still speak French fluently. Consideration of my application meant that all my experience and all my work in the field was weighed, measured and assessed to see if it was found worthy – and it was!

Being a Chartered Scientist means that I have a respected professional status. It also means that I have a responsibility to continue to ‘raise the bar’ and to ensure that I am at the cutting edge of my profession. In a few years time, my experience and my work in the field will once again be weighed, measured and assessed, to see whether I am still worthy of being a Chartered Scientist.

LSC Group actively encourages its consultants to achieve Chartered status. Its main asset is the experience and skill level of its consultants. CSci is a quality benchmark which is not only a feather in the cap of the individual, but also the company, and therefore their customers.

A scientific issue that concerns me are that there are too many good, and potentially great, scientists dropping the subject at an early opportunity. It saddens me to see the decrease of students taking science subjects at ‘A’ level and beyond. However, through role modelling, mentoring and teaching mathematics at a Saturday School, I try to – and hope that I do – make a difference.



I am a member of the British Psychological Society, the professional and learned body for psychologists in the UK. The British Psychological Society has its own Royal Charter for awarding professional awards. I am an Associate Fellow of the Society, a Chartered Clinical Psychologist and a Chartered Forensic Psychologist. I was very keen to apply for the Chartered Scientist award as I believe that it is a way of making explicit the scientific roots of psychology and the fact that psychological practice is deep-rooted in research evidence.

I took my undergraduate degree in Psychology at the University of Edinburgh and then also studied for an MPhil in Clinical Psychology at that University. These qualifications and my professional experience gave me the necessary means to achieve Chartered Clinical Psychologist and Chartered Forensic Psychologist status.

Because of my interest in research, I then studied for a DPhil in the University of Oxford and subsequently had a Research Fellowship there. This was followed by an academic appointment at the University of Surrey. I am currently Senior Lecturer in Clinical Psychology in the University of Glasgow. In addition, I am an Honorary

Consultant Clinical Psychologist in the NHS. My clinical and research interests are in adult mental health, especially trauma and occupational stress.

My professional activities have spanned research, clinical practice and training postgraduates for careers in professional psychology. My model of professional training has always been that we are training scientist-practitioners who can contribute at every level from the individual to the systemic. It is very important that professional psychologists have a thorough scientific grounding during their training as this is what differentiates them from other practitioners whose emphasis might be purely on the delivery of therapy or interventions with the individual.

I believe that psychology and psychologists have a great capacity for contributing to the public good, both through psychological science and practice. British psychological science and practice has had an enormous impact and influence, both in the UK and internationally.

As a practitioner and an academic, I am keenly aware of the impact of Government policy and legislation on the Universities and the public services. The Science Council plays a very important role in safeguarding the interests of science and scientists.