

Researchers supervised by Durham University Chemistry Department and awarded higher degrees  
For study starting in the period 1975-1988

| <u>Started</u> | <u>Degree</u> | <u>Surname</u> | <u>Initials</u> | <u>Forename</u> | <u>Thesis Title</u>  | <u>Supervisor</u> | <u>Pass List</u> |
|----------------|---------------|----------------|-----------------|-----------------|--|-------------------|------------------|
| 01/10/1975     | M.Sc.         | Close          | D               | Deborah         | Kinetics and mechanism of nucleophilic substitution in polyhaloaromatic systems  | DLHW              | 1976             |
| 01/10/1975     | M.Sc.         | Gaylani        | BKA             | Bann            | Studies of some organonitrogen groups in organonitrogen groups in molybdenum and tungsten complexes  | MK                | 1977             |
| 01/10/1975     | M.Sc.         | James          | PL              | Peter           | Absorption and dispersion spectroscopy in the far-infrared region  | JY                | 1977             |
| 01/10/1975     | Ph.D          | Ackroyd        | R               | Robert          | Vibrational spectroscopic studies of hydrogen interaction  | JY                | 1978             |
| 01/10/1975     | Ph.D          | Cromarty       | BJ              | Benjamin        | Theoretical aspects of relaxation phenomena accompanying core and valence ionisation in some organic systems   | DTC               | 1978             |
| 01/10/1975     | Ph.D          | Lindley        | AA              | Andrew          | Reactions of perfluoro-3,4-dimethyl-3-hexene and some related systems  | RDC               | 1978             |
| 01/10/1975     | Ph.D          | Shuttleworth   | D               | Derek           | The application of ESCA to structure and bonding in polymer surfaces with particular reference to glow-discharge polymerisation                                | DTC               | 1978             |
| 01/10/1975     | Ph.D          | Spanomanolis   | C               | Costas          | Studies directed towards the step-growth polymerisation of carbonyl compounds  | WJF               | 1978             |
| 01/10/1975     | Ph.D          | Thomas         | HR              | Ronald          | The application of ESCA to structure and bonding in selected polymer systems   | DTC               | 1977             |
| 01/10/1975     | Ph.D          | Thompson       | JT              | Terence         | Aspects of the nitrosation and diazotisation of aromatic amines  | DLHW              | 1979             |
| 01/10/1975     | Ph.D          | Wilson         | B               | Brian           | The ring-opening polymerisation of some fluorinated cycloalkenes   | WJF               | 1979             |
| 01/10/1976     | Ph.D          | Bartlett       | S               | Sheena          | The beta-pentafluorophenylethyl anion; reactions of perfluoro-3,4-dimethyl-3-hexene and related compounds  | RDC               | 1979             |
| 01/10/1976     | Ph.D          | Hallett        | G               | Geoffrey        | Aspects of the denitrosation of nitroso compounds in acidic solution   | DLHW              | 1981             |
| 01/10/1976     | Ph.D          | Hey            | RG              | Richard         | Some sulphur-nitrogen ring transformations using tetrasulpher tetranitride and trichlorotrithiazene as precursors  | AJB               | 1980             |
| 01/10/1976     | Ph.D          | Housecroft     | CE              | Catherine       | A new approach to the energetics of clusters and related systems   | KW                | 1979             |
| 01/10/1976     | Ph.D          | Huggett        | PG              | Paul            | Acrylonitrile adducts and related systems  | KW                | 1980             |
| 01/10/1976     | Ph.D          | Taylor         | G               | Graham          | Novel perfluorocycloalkene derivatives   | RDC               | 1979             |
| 01/10/1977     | M.Sc.         | Batey          | JWU             | Jonathan        | Some studies in step-growth photoreductive polymerizations   | WJF               | 1978             |
| 01/10/1977     | M.Sc.         | Britton        | CG              | Geoffrey        | Halogen and interhalogen adducts of substituted amido-ions   | CJL               | 1979             |
| 01/10/1977     | M.Sc.         | Johal          | SS              | Shivraj         | Kinetics and mechanisms of acid catalysed denitrosation reactions of N-nitrosamines in ethanol solvent   | DLHW              | 1979             |
| 01/10/1977     | M.Sc.         | Khabbass       | NDAH            | Nabil           | Studies of the reactions of N,N-dimethylchloramine and a variety of tricoordinate phosphorus compounds   | CJL               | 1979             |
| 01/10/1977     | M.Sc.         | Robson         | NS              | Nigel           | Thermal and photochemical routes to compounds containing the tricyclo(3.3.1.0 2,7) nonane skeleton   | GMB               | 1984             |
| 01/10/1977     | M.Sc.         | Strange        | M               | Malcolm         | The synthesis and properties of some fluorinated block copolymers  | WJF               | 1978             |
| 01/10/1977     | Ph.D          | Gibson         | B               | Brenda          | Some kinetic, equilibrium and structural studies of the reactions of aromatic nitro-compounds with nucleophiles  | MRC               | 1980             |
| 01/10/1977     | Ph.D          | Graham         | D               | Douglas         | A study, by inelastic neutron scattering of absorbed benzene, of metal pi-arene compounds and of hydrogen attached to metal clusters [1978-80 cosupervisor JH] | JH/TCW            | 1981             |
| 01/10/1977     | Ph.D          | Jones          | CGP             | Colin           | Chemistry of hexafluorobut-2-yne   | RDC               | 1980             |
| 01/01/1977     | Ph.D          | Kelly          | NM              | Noel            | Functional fluorocarbon derivatives via free-radical reactions   | RDC               | 1979             |
| 01/10/1977     | Ph.D          | Lane           | RA              | Richard         | Studies on the synthesis and derivative chemistry of icosahedral carboranes  | KW                | 1982             |
| 01/10/1977     | Ph.D          | Platt          | AWG             | Andrew          | Aspects of the chemistry of some phosphorus halides and pseudohalides  | KBD               | 1981             |
| 01/10/1977     | Ph.D          | Silvester      | MJ              | Michael         | Electrochemically induced reactions of some fluorocarbon derivatives   | RDC               | 1981             |
| 01/10/1977     | Ph.D          | Tate           | AJ              | Andrew          | Organotin polymers and components for marine anti-fouling paints   | WJF               | 1982             |
| 01/10/1977     | Ph.D          | Wallis         | DI              | Derek           | A study of the chemistry of some polyfluoroaromatic prop-2-ynyl ethers and prop-2-enyl thioethers  | GMB               | 1980             |
| 01/10/1978     | M.Sc.         | El-Saafin      | IFAF            | Isam            | Polymerisation of arylcycloalkenes initiated by tungsten hexachloride-tetraphenyltin   | WJF               | 1979             |
| 01/10/1978     | M.Sc.         | Nadal-Ribera   | F               | Francisco       | The synthesis of fluorinated block copolymers via the living macroradical technique  | WJF               | 1980             |
| 01/10/1978     | Ph.D          | Abrahaman      | MZ              | Zaki            | A study of structure and bonding in polymers produced by glow discharge polymerisation with particular reference to the use of ESCA                            | DTC               | 1981             |
| 01/10/1978     | Ph.D          | Aldred         | SE              | Elaine          | Kinetics and mechanisms of the formation and reactions of alkyl nitrides   | DLHW              | 1981             |
| 01/10/1978     | Ph.D          | Arnold         | KE              | Kevin           | Spectroscopic studies on the liquid phase dynamics and interactions of acetonitrile  | JY                | 1982             |
| 01/10/1978     | Ph.D          | Aruri          | ADA             | Ahmed           | Kinetic and equilibrium studies of the reactions of some aromatic nitro compounds with metal alkoxides   | MRC               | 1981             |
| 01/10/1978     | Ph.D          | Barnes         | RN              | Robert          | Fluorinated aza-alkenes and dienes   | RDC               | 1981             |
| 01/10/1978     | Ph.D          | Brooke         | DN              | David           | Some kinetic, equilibrium & structural studies of reactions of 1,3,5-trinitro-benzene, 2,4,6-trinitrotoluene & 2,4,6-trinitrobenzyl chloride with nucleophiles | MRC               | 1981             |
| 01/10/1978     | Ph.D          | Deng           | RMK             | Robert          | Spectroscopic and structural studies of some new organo-phosphorus compounds   | KBD               | 1981             |
| 01/10/1978     | Ph.D          | El Erian       | MAI             | Mohammed        | Studies of some unsaturated organonitrogen metal systems   | KW                | 1983             |
| 01/10/1978     | Ph.D          | Harrison       | A               | Alan            | A theoretical and experimental model system investigation of core ionization phenomena for polymers  | DTC               | 1981             |
| 01/10/1978     | Ph.D          | Martin         | PA              | Peter           | Nucleophilic substitution reactions of some polyhalogenated compounds  | RDC               | 1988             |
| 01/10/1978     | Ph.D          | Meyer          | TA              | Thomas          | Denitrosation and nitrosation: a kinetic and mechanistic investigation   | DLHW              | 1981             |
| 01/10/1978     | Ph.D          | Smith          | NRM             | Nigel           | Reductions of thiazenes and some aspects of the chemistry of the RCN <sub>2</sub> S <sub>2</sub> ring system   | AJB               | 1982             |
| 01/10/1978     | Ph.D          | Stephenson     | PJ              | Peter           | An investigation of cellulose nitrates & double based propellant by spectroscopic techniques with particular reference to ESCA                                 | DTC               | 1981             |

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|----------------|---------------|----------------|-----------------|------------------|---|-------------------|------------------|
| 01/09/1979     | M.Sc.         | Gorrell        | IB              | Ian              | A spectroscopic study of some halogeno-complexes of tellurium(IV) [Unattached study]  | CJL               | 1983             |
| 01/10/1979     | M.Sc.         | Hewitson       | GF              | Geoffrey         | Sn-119 studies of the reactions of some organotin(IV) compounds   | KBD               | 1981             |
| 01/10/1979     | M.Sc.         | Wilson         | R               | Rosemary         | ESCA applied to a study of some materials of geochemical interest [Part-time study]   | DTC               | 1981             |
| 01/10/1979     | Ph.D          | Abdul Kadir    | Z               | Zarah            | Spectroscopic studies of absorbed gases on transition metal exchanged zeolites  | JH                | 1983             |
| 01/10/1979     | Ph.D          | Alimuniar      | AB              | Arisol           | Synthesis and polymerisation of some halogenated polycyclic alkenes   | WJF               | 1982             |
| 01/10/1979     | Ph.D          | Braid          | IJ              | Ian              | Vibrational spectroscopy of absorbed hydrogenous species studied by inelastic incoherent neutron scattering   | JH                | 1983             |
| 01/10/1979     | Ph.D          | Clark          | JA              | Andrew           | Some aspects of organonitrogen transition metal complexes   | MK                | 1982             |
| 01/10/1979     | Ph.D          | Dix            | LR              | Leslie           | Kinetic and mechanistic studies involving the nitroso group   | DLHW              | 1982             |
| 01/10/1979     | Ph.D          | El-Saafin      | IFAF            | Isam             | Ring-opening polymerisation of some aryl substituted polycyclic alkenes   | WJF               | 1981             |
| 01/10/1979     | Ph.D          | Grievson       | B               | Brian            | Fluorocarbon synthesis via free-radical reactions   | RDC               | 1983             |
| 01/10/1979     | Ph.D          | Johnson        | SA              | Stephen (Andrew) | Studies of the cobalt catalysed homologation reaction of methanol   | MK                | 1982             |
| 01/04/1979     | Ph.D          | Khabbass       | NDAH            | Nabil            | Interactions of halomines with phosphorus species   | CJL               | 1981             |
| 01/10/1979     | Ph.D          | Kirk           | JR              | Julian           | The chemistry of some fluorinated internal olefins  | RDC               | 1982             |
| 01/10/1979     | Ph.D          | Marshall       | A               | Andrew           | Spectroscopic and structural studies of tin complexes   | KBD               | 1983             |
| 01/10/1979     | Ph.D          | Munro          | HS              | Hugh             | Surface aspects of the natural and artificial aging of some aromatic polymers as studied by means of ESCA   | DTC               | 1982             |
| 01/10/1979     | Ph.D          | O'Neill        | GP              | Graham           | Far-infrared absorption and dispersion studies on methyl iodide solutions   | JY                | 1986             |
| 01/01/1980     | M.Sc.         | Al-Noaimi      | AL              | Asia             | Infrared studies of species absorbed in zeolites  | JH                | 1982             |
| 01/01/1980     | M.Sc.         | Kaabi          | SS              | Sharifa          | Kinetics and mechanism of the denitrosation of a nitrosamine and a thionitrile  | DLHW              | 1981             |
| 01/01/1980     | M.Sc.         | Shahada        | LAH             | Lamies           | Synthesis and reactions of some polychloropolycyclic alkenes  | WJF               | 1981             |
| 01/04/1980     | Ph.D          | Abu-Shbak      | MM              | Mohammad         | The application of ESCA to structure and bonding with particular reference to synthesis and surface modification of polymers  | DTC               | 1983             |
| 01/10/1980     | Ph.D          | Brennan        | WJ              | William          | An ESCA investigation of low energy electron beam modification and formation of polymers  | DTC               | 1983             |
| 01/10/1980     | Ph.D          | Bryan          | SJ              | Stephen          | Studies of the coordination chemistry of some main group metals and metalloids  | KW                | 1983             |
| 01/10/1980     | Ph.D          | Harper         | K               | Kevin            | Metathesis ring-opening polymerisation of some heteropolycyclic alkenes: an indirect approach to the synthesis of a new heterosubstituted conjugated polymer                          | WJF               | 1983             |
| 01/10/1980     | Ph.D          | Hayat          | U               | Umar             | Surface aspects of some sulphur-vulcanised elastomers with particular reference to surface modification as studied by ESCA  | DTC               | 1983             |
| 01/10/1980     | Ph.D          | Hutton         | DR              | Richard          | The modification of organic materials by plasmas and ion beams as studied by ESCA   | DTC               | 1983             |
| 01/10/1980     | Ph.D          | Millichamp     | IS              | Ian              | The synthesis and characterisation of some new unsaturated polymers   | WJF               | 1983             |
| 01/10/1980     | Ph.D          | Routledge      | PJ              | Paul             | Some kinetic and equilibrium studies of sigma-adduct formation and proton-transfer in the reactions of some aromatic nitro-compounds with bases                                       | MRC               | 1983             |
| 01/10/1981     | M.Sc.         | Morpeth        | AG              | Alan             | A study of the thermolyses of polyfluoroaryl-prop-2-ynyl ethers in inert solvents and with alkenes  | GMB               | 1983             |
| 01/10/1981     | M.Sc.         | Richards       | DS              | Donald           | A study of the photoinitiated cure of coatings  | WJF               | 1982             |
| 01/10/1981     | Ph.D          | Barker         | J               | James            | Studies of amidines and their complexes with the nickel group elements  | MK                | 1985             |
| 01/10/1981     | Ph.D          | Fowler         | AHK             | Andrew           | Some aspects of the surface and bulk chemistry of cellulose nitrates as studied by ESCA and other spectroscopic techniques [HSM supervised the final 13 months' full-time study]      | DTC               | 1984             |
| 01/10/1981     | Ph.D          | Grievson       | CMJ             | Catherine        | Studies in the organic and coordination chemistry of tin  | KW                | 1985             |
| 01/10/1981     | Ph.D          | Johnson        | SA              | Stephen (Arthur) | Aspects of structure and bonding in carbocations and plasma polymers, with particular emphasis on the use of ESCA [HSM supervised the final 13 months' full-time study]               | DTC               | 1985             |
| 01/10/1981     | Ph.D          | Pacynko        | WF              | Witold           | A vibrational spectroscopic study of some surfactant systems  | JY                | 1985             |
| 01/10/1981     | Ph.D          | Seabury        | MJ              | Mark             | Nucleophilic substitution in polyhaloaromatic systems   | RDC               | 1985             |
| 01/10/1981     | Ph.D          | Wilson         | R               | Rosemary         | Surface and bulk characterisation of selected coals, bitumens and, polymers as revealed by ESCA and other analytical techniques [HSM supervised the final 13 months' full-time study] | DTC               | 1984             |
| 01/10/1982     | M.Sc.         | Benke          | FD              | Frank            | A study of the thermally-induced cyclisations of some polyfluoroaromatic hydrazones leading to Fischer indole products  | GMB               | 1983             |
| 01/10/1982     | Ph.D          | Brown          | DA              | David            | Synthesis and derivative chemistry of icosahedral carboranes  | KW                | 1985             |
| 01/10/1982     | Ph.D          | Bryant         | T               | Tracy            | Mechanistic aspects of some nitrosation reactions   | DLHW              | 1985             |
| 01/10/1982     | Ph.D          | Carr           | GE              | Gillian          | Perfluoroalkylaromatic compounds  | RDC               | 1986             |
| 01/10/1982     | Ph.D          | Davies         | C               | Clive            | The application of carbonylation and related reactions to fatty acid derivatives  | MK                | 1988             |
| 01/10/1982     | Ph.D          | Eaves          | JG              | Geoffrey         | A study of some electroactive thin organic films prepared by plasma and electrochemical techniques  | DP                | 1986             |
| 01/10/1982     | Ph.D          | Fitzpatrick    | J               | James            | Mechanistic studies in azo-dye formation  | DLHW              | 1986             |
| 01/10/1982     | Ph.D          | Hewitt         | CD              | Christopher      | Fluorinated aza-alkenes and related chemistry [Part-time study]   | RDC               | 1987             |
| 01/10/1982     | Ph.D          | Jones          | SL              | Steven           | Functional fluorocarbons via free-radical additions to hexafluoropropene  | RDC               | 1987             |

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|----------------|---------------|----------------|-----------------|-----------------|---|-------------------|------------------|
| 01/10/1982     | Ph.D          | Kendrick       | AG              | Aidan           | Synthetic and structural studies of some thiazene cations   | AJB               | 1986             |
| 01/10/1982     | Ph.D          | Matuszczak     | S               | Stephen         | An investigation of the photoinitiated cationic cross-linking polymerisation of some epoxy resins   | WJF               | 1987             |
| 01/10/1982     | Ph.D          | Nicol          | JM              | Jacqueline      | Vibrational spectroscopy of zeolite complexes   | JH                | 1985             |
| 01/10/1982     | Ph.D          | Reams          | PW              | Patrick         | Solid state NMR studies of platinum and tin compounds [First 24 months' full-time study at East Anglia]   | RKH               | 1986             |
| 01/10/1982     | Ph.D          | Salisbury      | JM              | Martin          | Model compounds related to fluoroelastomers   | RDC               | 1986             |
| 01/01/1982     | Ph.D          | Shahada        | LAH             | Lamies          | Metathesis ring-opening polymerisation of some new aryl and fluoroaryl polycyclic alkenes, and related studies  | WJF               | 1984             |
| 01/10/1982     | Ph.D          | Telford        | PT              | Peter           | New routes to highly fluorinated ethers   | RDC               | 1986             |
| 01/10/1983     | M.Sc.         | Cooperwaite    | JR              | John            | An investigation into the thermolysis reactions of polyfluoroaromatic prop-2-ynyl ethers and thioethers   | GMB               | 1985             |
| 01/10/1983     | Ph.D.         | Ali            | R               | Rusmidal        | Synthetic and spectroscopic studies of some new organophosphorus(III) and (V) compounds   | KBD               | 1987             |
| 01/10/1983     | Ph.D.         | Appleyard      | IP              | Ian             | NMR studies of zeolites and related materials [First 12 months' full-time study at East Anglia]   | RKH               | 1986             |
| 01/10/1983     | Ph.D.         | Bayliff        | AE              | Andrew          | Chemistry of some novel fluorinated alkenes   | RDC               | 1986             |
| 01/10/1983     | Ph.D.         | Blackmore      | PM              | Patrique        | The synthesis and properties of stereoregular fluoropolymers  | WJF               | 1986             |
| 01/10/1983     | Ph.D.         | Catlow         | B               | Brendan         | The determination of infrared optical constants of some liquids and thin-film solids  | JY                | 1987             |
| 01/10/1983     | Ph.D.         | Clark          | HP              | Helen           | Synthetic and spectroscopic studies of some organotin(IV) complexes   | KBD               | 1987             |
| 01/10/1983     | Ph.D.         | Cooney         | AP              | Aidan           | Mechanistic studies of the decomposition reactions of hexamine and some acetylated and nitrated derivatives   | MRC               | 1987             |
| 01/10/1983     | Ph.D.         | Everall        | NJ              | Neil            | Design and performance analysis of a picosecond-pulsed laser raman spectrometer for fluorescence rejection in raman spectroscopy [RKH supervised the final 6 months' full-time study] | JH                | 1987             |
| 01/10/1983     | Ph.D.         | Ferguson       | JAKJ            | Jamie           | Some sigmatropic rearrangements of polyfluoroaromatic and heteroaromatic compounds  | GMB               | 1986             |
| 01/10/1983     | Ph.D.         | Gorrell        | IB              | Ian             | Some reactions of 4-phenyl-1,2,3,5-dithiadiazole  | AJB               | 1989             |
| 01/10/1983     | Ph.D.         | Hodgson        | M               | Martin          | Studies of the catalysis of cyanide addition and substitution   | KDB/DP            | 1988             |
| 01/10/1983     | Ph.D.         | Mason          | N               | Neil            | Preparation and study of magnetic fluids  | MK                | 1987             |
| 01/10/1983     | Ph.D.         | Morris         | PA              | Philippa        | Kinetic and product studies involving thionitrites  | DLHW              | 1987             |
| 01/10/1983     | Ph.D.         | Mullins        | ST              | Stephen         | New methods for selective fluorination  | RDC               | 1986             |
| 01/10/1983     | Ph.D.         | Nesbitt        | GJ              | Geoffrey        | Development and application of techniques in solid-state NMR [First 12 months' full-time study at East Anglia]  | RKH               | 1987             |
| 01/10/1983     | Ph.D.         | Till           | C               | Clare           | An investigation of plasma polymerisation and copolymerisation using fluoroaromatic compounds   | HSM               | 1986             |
| 01/10/1983     | Ph.D.         | Young          | K               | Kay             | Mixed metal alkoxides as catalyst precursors  | KW                | 1989             |
| 01/10/1984     | M.Sc.         | Nuttall        | P               | Peter           | Alkene aminations catalysed by transition metals  | MK                | 1987             |
| 01/10/1984     | Ph.D.         | Gill           | WR              | Wendy           | Synthetic and structural investigations of some lithium thiolates and carboxylates  | AJB               | 1988             |
| 01/10/1984     | Ph.D.         | Hoare          | P               | Peter           | Halogenated triazenes and related systems   | RDC               | 1989             |
| 01/10/1984     | Ph.D.         | Jackson        | P               | Peter           | Dipolar coupling in solid-state NMR   | RKH               | 1987             |
| 01/10/1984     | Ph.D.         | Matthes        | KE              | Karen           | Chemistry of functionalised macrocycles   | DP                | 1987             |
| 01/10/1984     | Ph.D.         | Merwin         | LH              | Lawrence        | NMR of solid phosphorus and nitrogen compounds  | RKH               | 1987             |
| 01/10/1984     | Ph.D.         | Short          | RD              | Robert          | An investigation of the surface and bulk nitration of cellulose   | HSM               | 1987             |
| 01/10/1984     | Ph.D.         | Stephenson     | IR              | Ian             | New polymer and derivative chemistry of icosahedral carboranes  | KW                | 1988             |
| 01/10/1984     | Ph.D.         | Taylor         | RJ              | Richard         | NMR assay of enantiomeric excess  | DP                | 1987             |
| 01/10/1984     | Ph.D.         | Wilkes         | PJ              | Philip          | NMR of phosphorus-containing solids   | RKH               | 1988             |
| 01/10/1984     | Ph.D.         | Wooding        | A               | Anthony         | The preparation and dispersion of magnetic ferrite particles  | MK                | 1987             |
| 01/10/1985     | Ph.D.         | Apsey          | GC              | Glen            | The synthesis and chemistry of model compounds related to fluoropolymers  | RDC               | 1989             |
| 01/10/1985     | Ph.D.         | Briscoe        | MW              | Mark            | Electrochemical reduction of fluorinated systems and derived chemistry  | RDC               | 1988             |
| 01/10/1985     | Ph.D.         | Chissel        | AD              | André           | Electroactive polymers from beta-substituted thiophenes   | MRB/DP            | 1989             |
| 01/10/1985     | Ph.D.         | Crookes        | MJ              | Michael         | Kinetic studies of nitrosations by alkyl nitrites   | DLHW              | 1988             |
| 01/10/1985     | Ph.D.         | Davies         | SR              | Stephen         | Synthesis and characterisation of charge-transfer complexes of new electron acceptors   | MRB               | 1989             |
| 01/10/1985     | Ph.D.         | Eyre           | GR              | Graham          | Deposition of organic thin films by plasma and photochemical techniques   | HSM               | 1993             |
| 01/10/1985     | Ph.D.         | Gardiner       | JM              | John            | New synthetic strategies towards cephalotaxus alkaloids   | MRB               | 1988             |
| 01/10/1985     | Ph.D.         | Hansford       | MI              | Michael         | Electrochemical, plasma and synthetic studies of dithiadiazolium and related compounds  | AJB               | 1990             |
| 01/10/1985     | Ph.D.         | Kee            | TP              | Terence         | Synthesis, reactivity and mechanistic studies on oxo, alkoxo and tertiary phosphine derivatives of niobium and tantalum   | VCG               | 1989             |
| 01/10/1985     | Ph.D.         | McBriar        | ID              | Ian             | The plasma treatment of contact lenses  | HSM               | 1991             |
| 01/10/1985     | Ph.D.         | Morphy         | RJ              | Richard         | Functionalised macrocycles for tumour targeting   | DP                | 1988             |
| 01/10/1985     | Ph.D.         | Nicholson      | PE              | Patrick         | Synthetic macrocyclic ionophores  | DP                | 1989             |
| 01/10/1985     | Ph.D.         | Pritchard      | TN              | Timothy         | NMR studies of porous silicate gels and related materials   | RKH               | 1989             |
| 01/10/1985     | Ph.D.         | Swales         | AP              | Alan            | Free-radical approaches to new fluorocarbon derivatives   | RDC               | 1989             |
| 01/10/1985     | Ph.D.         | Wait           | ST              | Simon           | The synthesis of poly (sulphur nitride) and some novel 4-phenyl-1,2,3,5-dithiadiazolium compounds   | AJB               | 1989             |

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| 01/10/1986     | M.Sc.         | Gaffney        | PRJ             | Piers           | Exploration of new routes to boranes and carboranes   | KW                | 1988             |
| 01/10/1986     | Ph.D.         | Challoner      | R               | Robin           | Applications of multinuclear magnetic resonance to the characterisation of zeolites   | RKH               | 1989             |
| 01/10/1986     | Ph.D.         | Chapman        | J               | James           | Synthesis and complexation behaviour of substituted polyaza-macrocycles   | DP                | 1993             |
| 01/10/1986     | Ph.D.         | Cox            | JPL             | Jonathan        | Yttrium macrocycles and their use in the treatment of cancer  | DP                | 1989             |
| 01/10/1986     | Ph.D.         | Craig          | AS              | Andrew          | Tumour targetting with indium- and silver-labelled macrocycles  | DP                | 1989             |
| 01/10/1986     | Ph.D.         | Espidel        | YE              | Youssef         | Solid-state nuclear-magnetic-resonance studies at ambient & cryogenic temperatures  | RKH               | 1990             |
| 01/10/1986     | Ph.D.         | Goodwin        | HP              | Helen           | New and unusual coordination of main-group elements   | KBD               | 1990             |
| 01/10/1986     | Ph.D.         | Greenhall      | MP              | Martin          | Fluorinated anions  | RDC               | 1989             |
| 01/10/1986     | Ph.D.         | Mawson         | SD              | Simon           | Synthesis of potentially-conducting polymers containing fluorine  | GMB               | 1989             |
| 01/10/1986     | Ph.D.         | Moore          | AJ              | Adrian          | New organic metals based on sulphur heterocycles  | MRB               | 1990             |
| 01/10/1986     | Ph.D.         | Patel          | HMS             | Hanif           | Studies on the nitrosation of thiols in relation to vasodilatory action   | DLHW              | 1989             |
| 01/10/1986     | Ph.D.         | Scranage       | JK              | John            | Mechanistic studies of the interaction of hexamine and some derivatives with electrophiles  | MRC               | 1987             |
| 01/10/1986     | Ph.D.         | Shaw           | A               | Alan            | Synthesis and reactivity studies on oxo and sulphido compounds of the early transition metals   | VCG               | 1990             |
| 01/10/1986     | Ph.D.         | Taylor         | PC              | Paul            | Organic thionitroso compounds   | MRB               | 1989             |
| 01/10/1986     | Ph.D.         | Ward           | RJ              | Richard         | An investigation of the plasma polymerisation of organic compounds and its relationship with surface polymerisation [RKH supervised the final 9 months full-time study] | HSM               | 1989             |
| 01/10/1986     | Ph.D.         | Whitley        | A               | Andrew          | Vibrational-spectroscopic studies on the model lubricant 2-ethylhexyl benzoate  | JY                | 1990             |
| 01/10/1986     | Ph.D.         | Winter         | NJ              | Nicholas        | Homogeneous rhodium-catalysed hydrocarbonylation reactions of alkenes   | MK                | 1991             |
| 01/10/1987     | M.Sc.         | Bell           | G               | Gillian         | Preparative studies of alkoxy derivatives of manganese carbonyl   | MK                | 1988             |
| 01/10/1987     | M.Sc.         | Emsley         | JJ              | Julian          | Approaches to new fluoride-ion sources  | RDC               | 1989             |
| 01/01/1987     | M.Sc.         | Roy            | P               | Panchali        | Kinetic and mechanistic studies on nitrosation of enols [Unattached study]  | DLHW              | 1988             |
| 01/10/1987     | Ph.D.         | Alexander      | CW              | Cameron         | The synthesis and characterisation of conjugated polyradicals: an approach to organic magnets   | WJF               | 1990             |
| 01/10/1987     | Ph.D.         | Bai            | H               | Haiping         | Solid-state NMR Studies of organotin compounds and of titania pigments  | RKH               | 1991             |
| 01/10/1987     | Ph.D.         | Castilho       | PCMF            | Paula           | Some spectroscopic, kinetic and equilibrium studies of cyano- and nitro-substituted anisoles and phenols, and their reactions with nucleophiles                         | MRC               | 1991             |
| 01/10/1987     | Ph.D.         | Clarke         | PA              | Peter           | Studies into the separation of the component metals of chrome residues  | VCG               | 1991             |
| 01/10/1987     | Ph.D.         | Findlay        | A               | Anita           | Solid-state nuclear-magnetic resonance of acid-anhydride crosslinking systems   | RKH               | 1991             |
| 01/01/1987     | Ph.D.         | Fuss           | RW              | Robert          | New routes to organofluorine compounds  | RDC               | 1990             |
| 01/10/1987     | Ph.D.         | Harrison       | DB              | David           | Preparation of polymers by aqueous, ring-opening-metathesis polymerisation, and their application to industrial, water-treatment processes                              | WJF               | 1990             |
| 01/10/1987     | Ph.D.         | Keeble         | AD              | Andrew          | Studies on metal alkoxides and carboxylates for use as catalyst precursors  | KW                | 1990             |
| 01/10/1987     | Ph.D.         | Leach          | MJ              | Matthew         | Synthesis and multinuclear-magnetic-resonance studies of some nitrogen-containing ceramic phases  | RKH               | 1990             |
| 01/10/1987     | Ph.D.         | Macdonald      | RJ              | Robin           | Thermodynamics of polymer mixtures [First 24 months' full-time study at Strathclyde]  | RWR               | 1991             |
| 01/10/1987     | Ph.D.         | Oh             | SMYNF           | Shirlene        | Mechanistic studies of nitrosation of N-, O- and S-nitroso compounds  | DLHW              | 1990             |
| 01/10/1987     | Ph.D.         | Rawson         | JM              | Jeremy          | The synthesis and reactivity of some 1,2,3,5- and 1,3,2,4-dithiadiazolium salts   | AJB               | 1990             |
| 01/10/1987     | Ph.D.         | Rock           | MH              | Michael         | New methodology for the synthesis of fluorinated aromatics  | RDC               | 1990             |
| 01/10/1987     | Ph.D.         | Stevens        | JA              | James           | Structure-reactivity patterns in nucleophilic addition to activated aromatic compounds  | MRC               | 1990             |
| 01/10/1987     | Ph.D.         | Straw          | TA              | Thomas          | Aspects of the chemistry of some highly crowded aromatic ligands  | KBD               | 1991             |
| 01/10/1987     | Ph.D.         | Walker         | SA              | Susan           | Aspects of the plasma modification of polymeric materials [HSM supervised the first 15 months' full-time study]   | WJF               | 1990             |
| 01/10/1987     | Ph.D.         | Welsh          | G               | Gary            | Morphology of block copolymers from neutron scattering [First 24 months' full-time study at Strathclyde]  | RWR               | 1993             |
| 01/10/1987     | Ph.D.         | Williams       | DN              | David           | Synthesis, reactivity and bonding of compounds containing transitional metal- nitrogen multiple bonds and related studies   | VCG               | 1991             |
| 01/04/1987     | Ph.D.         | Yeats          | K               | Keith           | An investigation into the synthesis and crosslinking of some polymers containing cyclopropyl groups   | WJF               | 1990             |
| 01/10/1988     | M.Sc.         | Abu-Nasrieh    | OM              | Omar            | Free-radical reaction of fluorine-containing compounds  | RDC               | 1990             |
| 01/04/1988     | M.Sc.         | Eglington      | M               | Michael         | New studies in aromatic chloromethylation   | MRB               | 1993             |
| 01/10/1988     | M.Sc.         | Watkinson      | S               | Sonia           | Modification and characterisation by ESCA of starch and related polymers  | NDSC              | 1989             |
| 01/10/1988     | Ph.D.         | Bell           | G               | Gillian         | Modelling and characterisation of supported catalytic centres [NDSC supervised the first 12 months' full-time study]  | MK                | 1994             |
| 01/04/1988     | Ph.D.         | Cadd           | DH              | Duncan          | Some potential precursor routes to aromatic polyesters via quinone methides   | WJF               | 1992             |
| 01/10/1988     | Ph.D.         | Clarke         | PG              | Peter           | Nuclear-magnetic resonance studies of thermally treated zeolites  | RKH               | 1992             |
| 01/10/1988     | Ph.s.         | Coates         | PD              | Philip          | A study of the preparation and pyrolysis of $\beta$ -diketonate and carboxylate precursors to semiconducting zinc oxide films   | AJB               | 1994             |

Researchers supervised by Durham University Chemistry Department and awarded higher degrees  
For study starting in the period 1975-1988

| <u>Started</u> | <u>Degree</u> | <u>Surname</u> | <u>Initials</u> | <u>Forename</u> | <u>Thesis Title</u>   | <u>Supervisor</u> | <u>Pass List</u> |
|----------------|---------------|----------------|-----------------|-----------------|---|-------------------|------------------|
| 01/10/1988     | Ph.D.         | Cunnington     | MJ              | Malcolm         | Alkoxy and related derivatives of main-group elements   | KW                | 1993             |
| 01/10/1988     | Ph.D.         | Elsegood       | SE              | Simon           | Some kinetic, mechanistic and synthetic studies of the reactions of cyanide ions with aromatic nitrocompounds                 | MRC               | 1991             |
| 01/10/1988     | Ph.D.         | Fox            | MA              | Mark            | Icosahedral carborane derivatives   | KW                | 1992             |
| 01/10/1988     | Ph.D.         | Graham         | A               | Alan            | Carbanion and enol intermediates in cap-nitrosation and halogenation  | DLHW              | 1991             |
| 01/10/1988     | Ph.D.         | Grainger       | AM              | Andrew          | Synthesis of amphiphilic donor/pi-acceptor molecules for nonlinear optics   | MRB               | 1992             |
| 01/10/1988     | Ph.D.         | Henderson      | JA              | John            | Physical properties of polymer monolayers spread at the air-water interface [First 12 months' full-time study at Strathclyde] | RWR               | 1992             |
| 01/10/1988     | Ph.D.         | Joel           | AK              | Andrew          | Synthesis of fluorinated polyethers   | RDC               | 1993             |
| 01/10/1988     | Ph.D.         | Luke           | AW              | Anthony         | Bis- and tris-(1,3,2,4-dithiadazolium) salts and related radicals   | AJB               | 1992             |
| 01/10/1988     | Ph.D.         | Matthews       | RC              | Robert          | The synthesis and characterisation of new macrocyclic complexing agents for use in tumour targeting                           | DP                | 1993             |
| 01/10/1988     | Ph.D.         | McLean         | G               | Gail            | The thermostructural characterisation of a main-chain polymer [First 12 months' full-time study at Strathclyde]               | RWR               | 1993             |
| 01/10/1988     | Ph.D.         | Mitchell       | JP              | Jonathan        | Synthesis, reactivity and mechanistic studies on oxo, imido and alkylidene complexes of the early transition metals           | VCG               | 1992             |
| 01/10/1988     | Ph.D.         | Mullins        | SJ              | Steven          | The generation and chemistry of some novel fluorinated dienes   | RDC               | 1992             |
| 01/10/1988     | Ph.D.         | Sandford       | G               | Graham          | Some amine hydrofluorides and amines in organofluorine chemistry  | RDC               | 1991             |
| 01/10/1988     | Ph.D.         | Shard          | AG              | Alexander       | Plasma-assisted thin-film formation [HSM supervised the first 3 months' full-time study]                                      | JPSB              | 1993             |
| 01/10/1988     | Ph.D.         | Whitby         | PH              | Howard          | Free-radical approaches to fluorinated derivatives of amines  | RDC               | 1992             |
| 01/10/1988     | Ph.D.         | Woolley        | MF              | Martin          | The synthesis and polymerisation of some conjugatively-extended p-xylenes   | GMB               | 1991             |

#### Sources

1. Durham University Senate's science faculty higher-degrees committee minutes 1974 (October) - 1993 (July): approval of candidates and their supervisors for programmes of research study, giving start date and duration; consequent thesis titles, examination details and pass lists are included.
2. Durham University Gazette, new series, volumes 1-24 (1953-1978): includes lists, by date of award, of the latest University higher degrees obtained by research, giving title of thesis and author.
3. Durham University Library catalogue: lists thesis in stock for which degrees were awarded for research by members of the University.
4. Durham University Chemistry Department hardcopy archive: annual registration of candidates studying for higher degrees in Chemistry and their supervisors, 1974 (January) – 2006 (October); includes chosen forenames and summaries of academic progress.