



Bengkel Penulisan Karya Asli & Karya Suntingan

24 September 2018

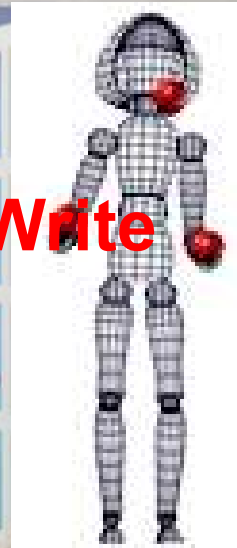
Rosli Hussin

**Pengerusi Panel Buku Penyelidikan & Book Chapters
Penerbit UTM Press &
Jabatan Fizik, Fakulti Sains
Universiti Teknologi Malaysia, Johor**

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**Hakcipta & CopyWrite
Issue**





Hak cipta

Takrif Kamus Dewan:

*Hak penguasaan yang **dilindungi** undang-undang atas seluruh atau sebahagian daripada hasil ciptaan seseorang pengarang.*



HAK CIPTA



Hak Cipta ialah hak eksklusif yang diberikan oleh undang-undang kepada pencipta atau penerima haknya untuk mengawal pengeluaran semula atau pelbagai bentuk penggunaan karya berkenaan bagi sesuatu tempoh.



Pencipta karya mempunyai "hak kepunyaan" terhadap karya mereka.

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SKOP HAK CIPTA



Karya yang dilindungi hak cipta ialah karya yang ditulis, direkodkan, atau yang dijadikan dalam bentuk bahan yang ditebitkan seperti buku dan rencana ATAU yang belum diterbitkan seperti manuskrip.

Melindungi hak peniruan dengan cara yang wajar untuk maksud penyelidikan yang bukan mencari keuntungan, pengajian persendirian, kritikan atau laporan semasa.



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Policy on Academic Integrity

“Plagiarism is the intentional or unintentional representation of **another person's idea or product as one's own**. Plagiarism includes, but is not limited to, the following: **copying** verbatim all or part of another's written work or using **phrases, charts, figures, illustrations or mathematical or scientific solutions without citing the source**; paraphrasing ideas, conclusions or research **without citing the source**, and using all or part of a literary plot, poem, film, musical score or other artistic product without attributing the work or its creator. Writer/editor can avoid unintentional plagiarism by carefully following accepted **scholarly practices**. Notes taken should accurately record sources of material to be cited, quoted, paraphrased or summarized, and the monograph/Book should **acknowledge** these sources in footnotes and/or endnotes

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Fakta, Maklumat dan Idea/Konsep

Undang-undang hak cipta tidak melindungi fakta, maklumat dan idea daripada karya lain tetapi pernyataannya

Pernyataan dalam bentuk tulisan

Hak cipta merangkumi format, organisasi, urutan dan gaya maklumat

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Etika Penulisan

Penggunaan Bahan Hak Cipta

Penulis disarankan memberi perhatian pada peringkat permulaan menulis tentang **penggunaan bahan yang dilindungi di bawah akta hak cipta**. Penulis boleh menggunakan petikan pendek daripada bahan yang dikutip dengan syarat mencatatkan **penghargaan** kepada penulis sumber asalnya. Petikan atau penggunaan sumber asal secara meluas perlu mendapat **kebenaran** bertulis daripada pemilik bahan dan **surat kebenarannya** hendaklah dilampirkan semasa menyerahkan manuskrip. Pemilik bahan juga perlu diberi penghargaan di dalam bahagian penghargaan buku.

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Etika Penulisan

Salah Laku Akademik

Apa jua perlakuan tidak jujur seperti menipu, plagiat, dan memberi maklumat palsu dianggap sebagai **salah laku akademik** yang tidak sekali-kali boleh dimaafkan. Plagiat berlaku apabila **idea atau perkataan** dari karya orang lain yang telah terbit digunakan tanpa mencatatkan **penghargaan** kepada penulis sumber tersebut. Dalam penggunaan idea atau perkataan orang lain, penghargaan hendaklah dibuat dengan menggunakan **tanda petik** dan halaman serta dengan menyatakan **sumbernya** di dalam teks.

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Etika Penulisan

Plagiat

Dalam era dunia tanpa sempadan lanjutan perkembangan teknologi *Internet*, media sosial menyebabkan fenomena 'kebanjiran maklumat' dan pengaruh globalisasi telah memungkinkan capaian maklumat berada di hujung jari dengan mudah. Kesannya kecenderungan untuk memuat **naik bahan yang tertakluk di bawah perlindungan hak cipta** berleluasa. Kecenderungan sedemikian ini mengheret ke tahap lebih buruk, iaitu **gejala ciplak, atau plagiat** menjadi semakin meningkat. Terkini terdapat banyak perisian di pasaran yang boleh **mengesan** perilaku ciplak, atau plagiat ke atas sesebuah karya atau penulisan. Antara perisian yang dimaksudkan kini digunakan dengan meluas ialah **turnitin, plagiarism checker dan plagiarism detector**. Justeru, penulis diminta dalam mengambil atau mengutip bahan penulisan penulis lain, amalkan etika kepengarangan, iaitu memberikan kredit atau **penghargaan** bagi setiap bahan yang dipetik atau dikutip. Kementerian Pengajian Tinggi dan university memandang serius dan cukup prihatin dengan isu plagiat ini. Sebarang pelanggaran berkaitan perkara ini risikonya cukup besar kepada kerjaya, reputasi dan maruah penulis.

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PENIRUAN

Sebarang peniruan daripada hasil karya mesti terlebih dahulu **mendapatkan izin** daripada penulis ka asal itu (atau penterbit hak cipta, iaitu penerbit).

Penulis bertanggungjawab mendapatkan **keizinan** daripada penulis atau penerbit asal untuk menghasilkan semula bahan yang telah diterbitkan.

Nota :

- ciplak, cuplik, plagiat
- hayat hak cipta – 50 tahun selepas kematian
- Ada usaha untuk mencari penulis asal

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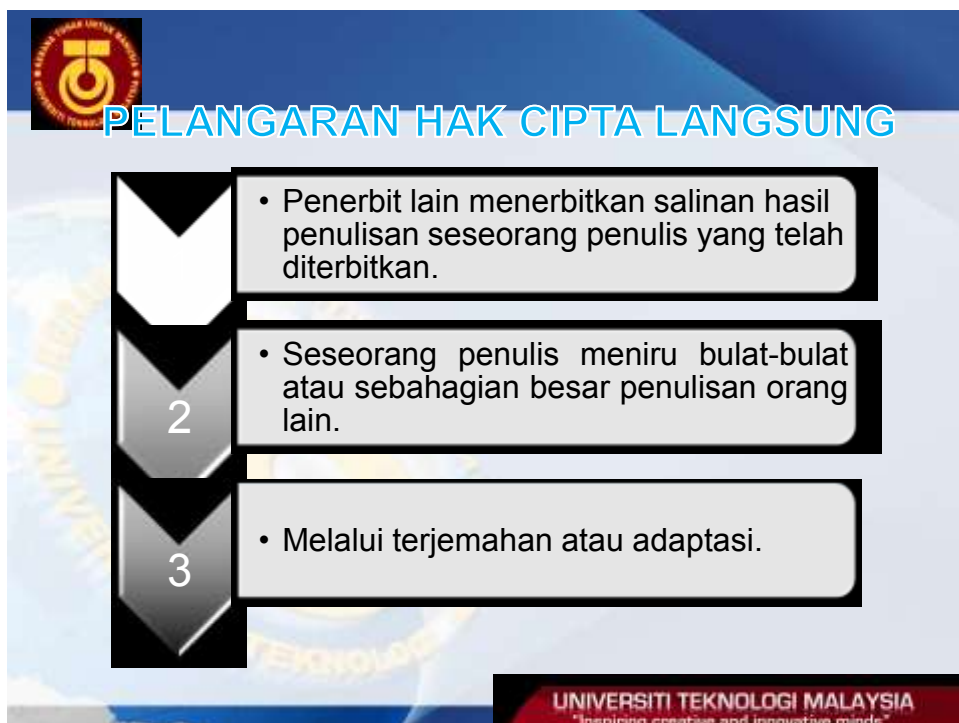
KUASA Penerbit

UMT boleh melesen kepada pihak ketiga bagi menghasilkan pendapatan.

Bagi terbitan UMT yang dilesenkan kepada pihak ketiga, apa-apa pendapatan tambahan daripada kegiatan tersebut akan dibahagikan sama rata (50-50) antara penulis (pemilik hak cipta) dengan UMT (pentadbir hak cipta karya berkenaan).

Books shown: *KUASA MENANG*, *10*, *PERATON MAJLIS*, *Merokok* (Kategori yang harus dihindari).

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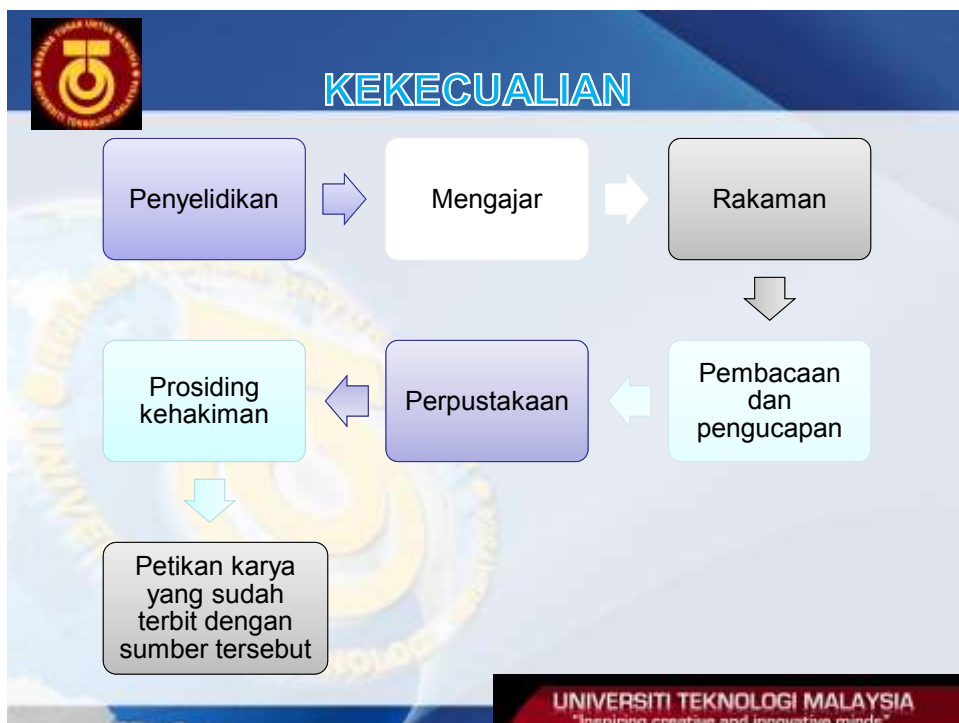



PELANGARAN TIDAK LANGSUNG

1	• Mengedarkan salinan langganan.	6	• Menyalin/menceduk bulat-bulat karya orang lain
2	• Membuat untuk jualan atau sewa.	7	• Mencuri bahan yang belum terbit atau dari www
3	• Mempamerkan kepada awam apa-apa salinan langganan.	8	• Meminta orang lain menulis (dengan/tanpa bayaran)
4	• Memiliki kecuali untuk kegunaan sendiri.	9	• Membeli karya penulis upahan
5	• Meminjam idea penulis.		




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Semasa hayat pengkarya/pencipta dan 50 tahun selepas kematiannya.



**Skop dan
Jangka Masa
Perlindungan**

Jika diterbitkan selepas hayatnya, hak cipta wujud selama 50 tahun dari permulaan tarikh diterbitkan.

Jika diterbitkan tanpa nama atau dengan nama samaran, hak cipta wujud selama 50 tahun dari permulaan diterbitkan.

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Sketch & Schematic

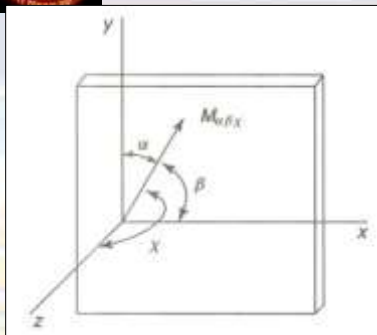


Figure 1. Location of sample in a Cartesian coordinate system. [Reproduced with permission from Fina and Koenig.⁶ Figure 1. Copyright 1986 John Wiley & Sons.]

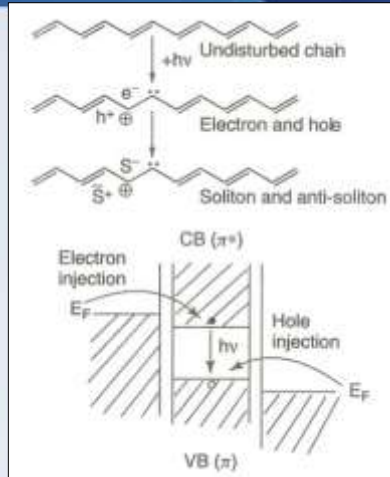


Figure 24. Scheme for the photogeneration of charged carriers in polyconjugated systems. (Reproduced from Blanchet *et al.*,¹²² p 99.)

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Sketch & Schematic

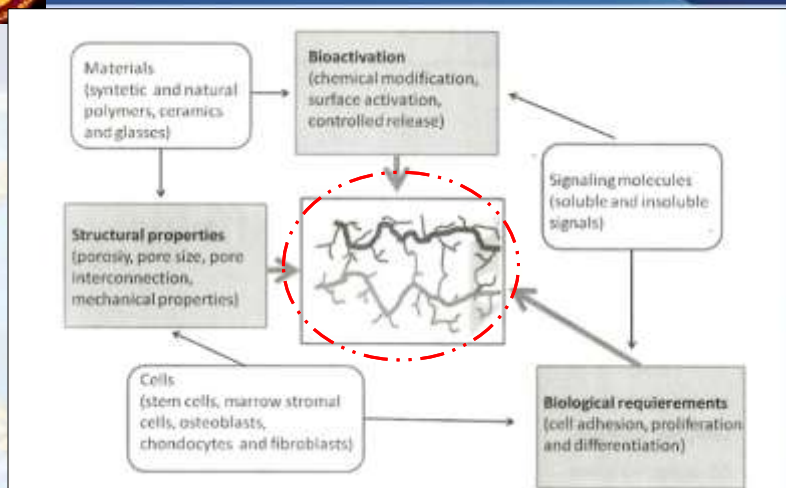


FIGURE 7.1.1 Schematic diagram of key factors involved in the design of optimal scaffolds for bone tissue engineering. (Modified after Ref. [1].)

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Sketch & Schematic

Polarizer Design

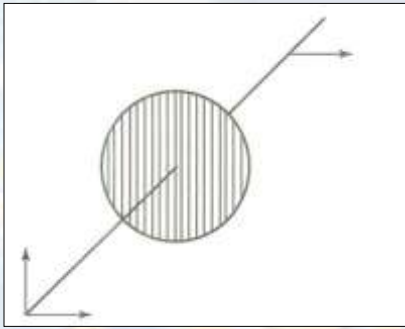


Figure 1. Wire-grid polarizer. Reproduced from Thierry Buffeteau and Michel Pézolet, 'Linear Dichroism in Infrared Spectroscopy', in "Handbook of Vibrational Spectroscopy", eds J.M. Chalmers and P.R. Griffiths, John Wiley & Sons, Chichester, 693–710, Vol. 1 (2002).]

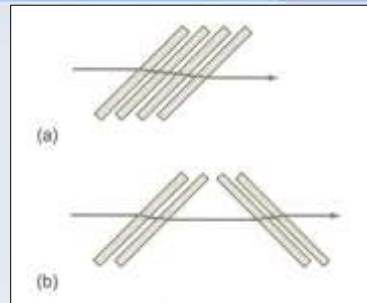


Figure 2. Brewster angle polarizer. Reproduced from Thierry Buffeteau and Michel Pézolet, 'Linear Dichroism in Infrared Spectroscopy', in "Handbook of Vibrational Spectroscopy", eds J.M. Chalmers and P.R. Griffiths, John Wiley & Sons, Chichester, 693–710, Vol. 1 (2002).]

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Sketch & Schematic

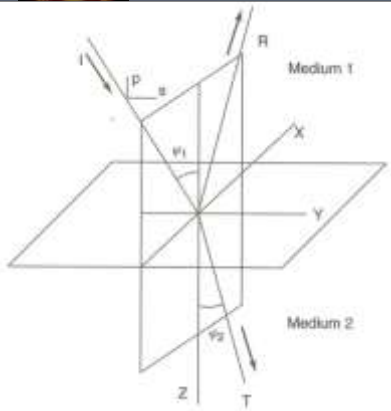


Figure 2. Geometry of reflection (R) and transmission (T) at an interface in the X, Y plane of an incident ray I . [Adapted from G.H. Meeten, in 'Optical Properties of Polymers', G.H. Meeten, ed, Elsevier Applied Science, London, 54–58 (1986), with kind permission from Kluwer Academic Publishers.²]

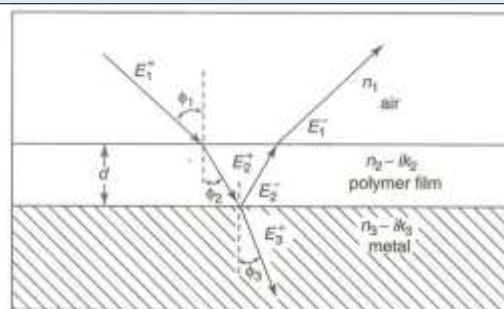


Figure 3. Ray diagram of the IR-RA experiment for a polymer-coated metal. The subscripts 1, 2 and 3 on the optical constants correspond to the electromagnetic wave in air, polymer film, and metal, respectively. [Adapted from Greener³² with permission from the American Institute of Physics.]

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Layout (Diagram) Instrument

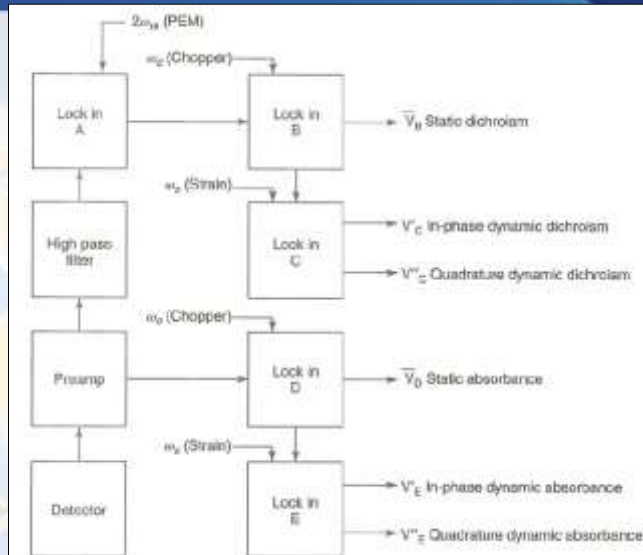


Figure 2. Configuration of the LIA train for the DIRLD spectrometer. [Reproduced from Noda *et al.*,⁶ by permission of the Society for Applied Spectroscopy, © 1988.]



Layout (Diagram) Instrument

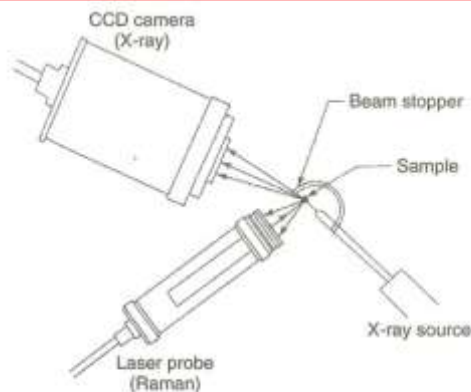


Figure 25. An illustration of the arrangement of the X-ray source, CCD camera and Raman laser probe around the sample for the simultaneous measurement of X-ray and Raman scattering.⁶⁶ [Reproduced from Kohji Tashiro, 'Measurement of the Physical Characteristics of Polymers', in "Handbook of Vibrational Spectroscopy", eds J.M. Chalmers and P.R. Griffiths, John Wiley & Sons, Chichester, 2437–2455, Vol. 4 (2002).]

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Layout (Diagram) Instrument

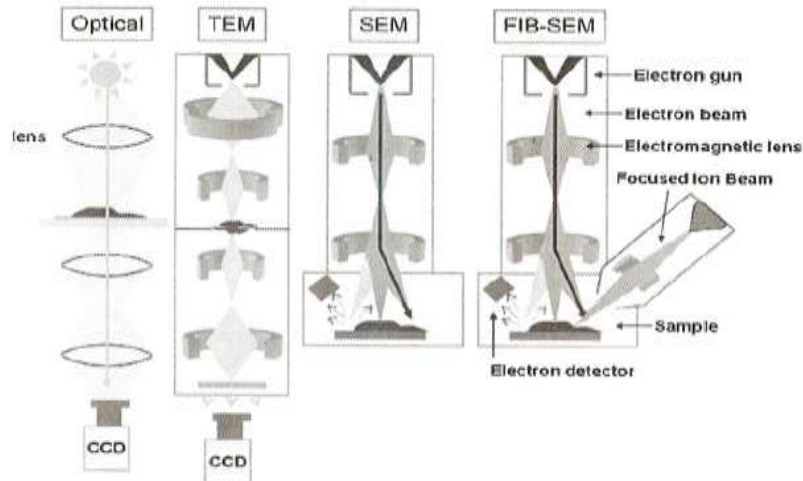


FIGURE 2.1 Principles of imaging by optical microscope, transmission electron microscope (TEM), scanning electron microscope (SEM) and FIB-SEM. *Source: Trends in Analytical Chemistry, Vol. 30, No. 1, 2011, P 29 Figure 1.*



Layout (Diagram) Instrument

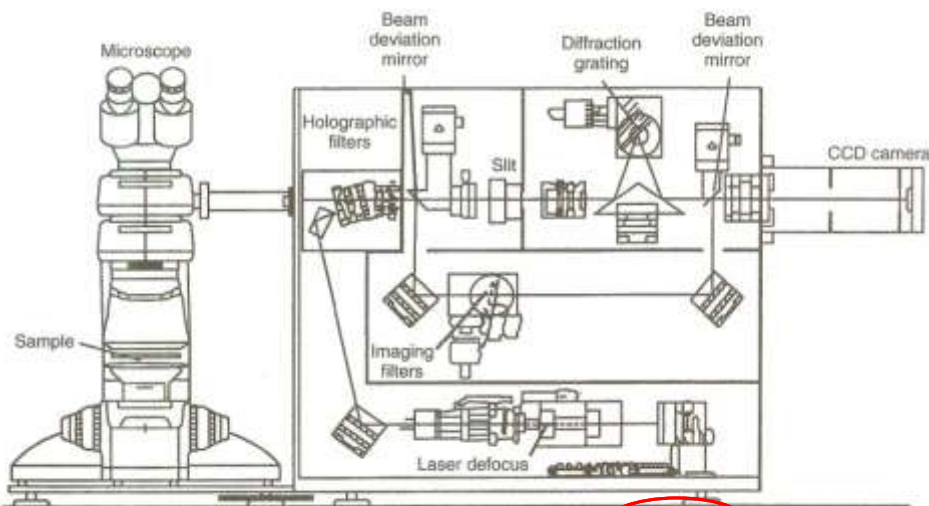


Figure 7. Schematic of a modern benchtop Raman microprobe spectrometer (Diagram courtesy of Renishaw Pty. Ltd.)



Diagram

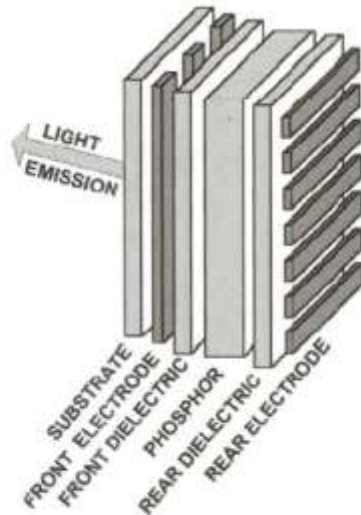


Figure 1a. Schematic diagram of a double-insulating TFEL device: A.N. Krasnov, Electroluminescent Displays: History and Lessons Learned *Displays* 24, 73 (2003).

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Diagram

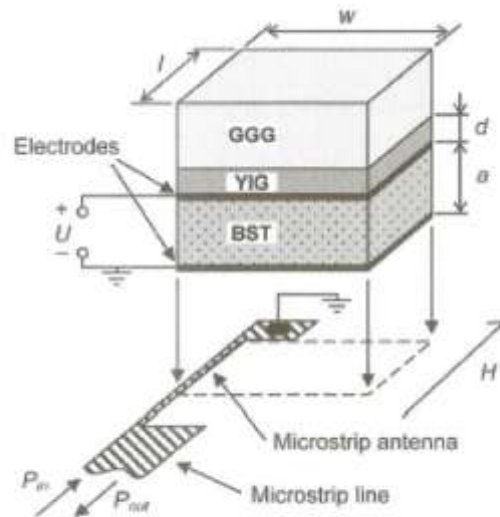


Figure 6.15 Diagram showing the schematics of a YIG-BST layered system for hybrid wave generation [50]. See also Color Insert.

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Chemical Structure

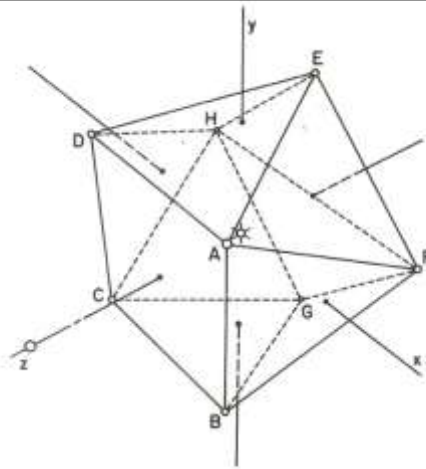


Fig. 16. Geometric model derived from field diagrams as those shown in Figure 15(b) and from some reasonable glass packing and density requirements. Result shown above is for an oxide such as the silicate glass. The Eu^{2+} sits at the center of this structure with a principal coordination of eight equidistant oxygens. A ninth oxygen (I) introduced along the z -axis distorts this structure by enlarging the $ABCD$ area, and by stretching the $EFGH$ plane towards negative z -values. From Brecher and Riseberg [99] and Weber [9].

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Chemical Structure

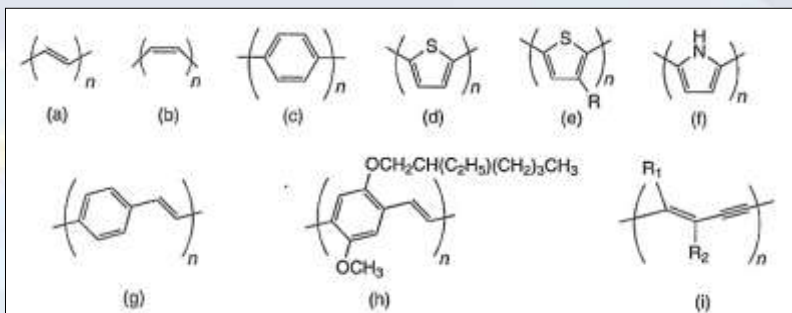


Figure 1. Chemical structures of conjugated polymers: (a) *trans*-polyacetylene; (b) *cis*-polyacetylene; (c) poly(*p*-phenylene); (d) polythiophenes; (e) regioregular poly(3-alkylthiophene); (f) polypyrrole; (g) poly(*p*-phenylenevinylene); (h) poly(2-methoxy-5-(2'-ethylhexyloxy)-*p*-phenylenevinylene) (MEH-PPV); (i) polydiacetylene. [Reproduced from Yukio Furukawa, 'Vibrational Spectroscopy of Conducting Polymers', in "Handbook of Vibrational Spectroscopy", eds J.M. Chalmers and P.R. Griffiths, John Wiley & Sons, Chichester, 2483–2495, Vol. 4 (2002).]

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Photograph



FIGURE 8.1 Femoral hip stem neck fatigue testing setup according to ASTM F2068 – 09 [15].
(Image courtesy of Biomet)



Photograph

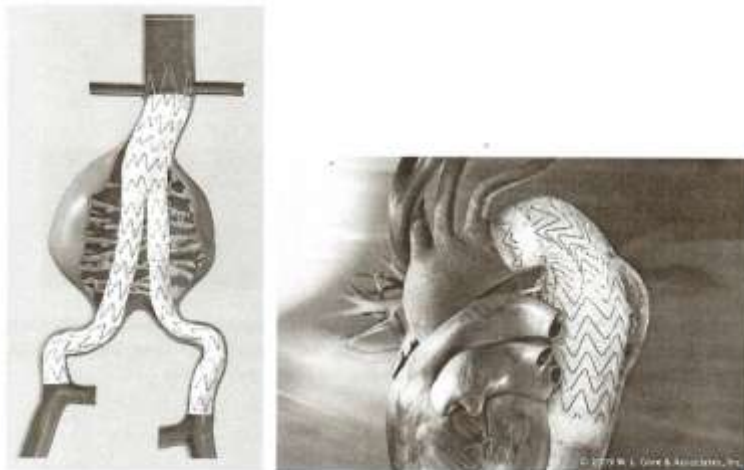


FIGURE 9.12 Endovascular stentgrafting in abdominal (left) *Source: Medtronic Inc. Reprinted with permission* and thoracic (right) aortic aneurysms. *Source: W.L. Gore & Associates, Inc. Reprinted with permission.*



Table

Table 1. Calculated depth resolution as a function of pinhole diameter and objective magnification.³⁹ Values in parentheses are experimentally determined. The 50×L objective is a long working distance objective.

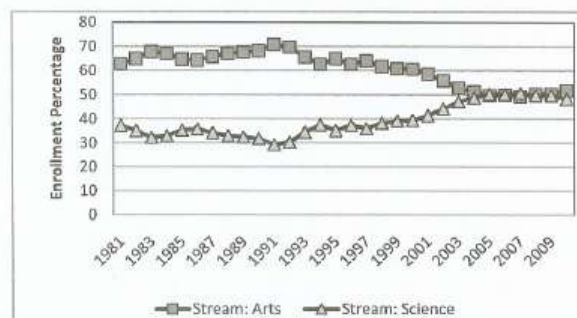
	Pinhole diameter (μm)		
	500	300	100
Objective	Depth resolution (μm)		
50×	6.0 (7)	3.0 (6)	1.5 (3)
50×L	14	8.0	3.0
100×	3.0 (3)	1.5 (3)	0.7 (2)

Reproduced from R. Tabaksblat, R.J. Meier and B.J. Kip, *Appl. Spectrosc.*, **46**, 60 (1992) by permission of the Society for Applied Spectroscopy.

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Graph



(Sources: MoE Education Statistics of Malaysia 1981 to 2010)

Graph 1 Percentage of enrollment of secondary school students in science (and technology) and art (and religion) streams (1981-2010)

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Internet Source

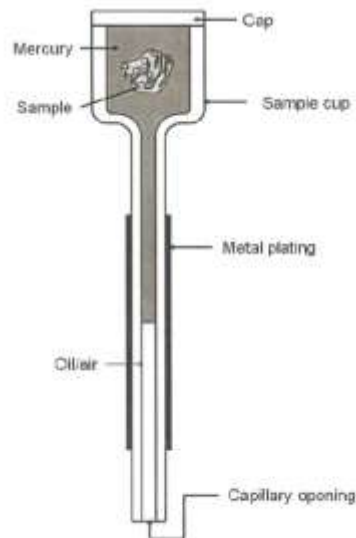


FIGURE 2.24 Cross-sectional view of a typical mercury penetrometer. *Source: Mercury Intrusion Porosimetry Theory, Presented by Micromeritics Instrument Corporation, www.micromeritics.co*



Figure Journal

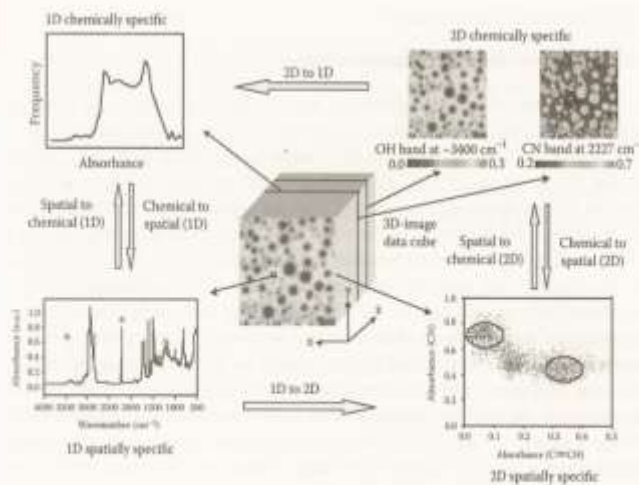


FIGURE 5.1 Visualizations afforded by an imaging data set. (Reproduced from R. Bhargava, S-Q Wang, J.L. Koenig, *Adv. Polym. Sci.*, 163: 137, 2003)



Figure Journal

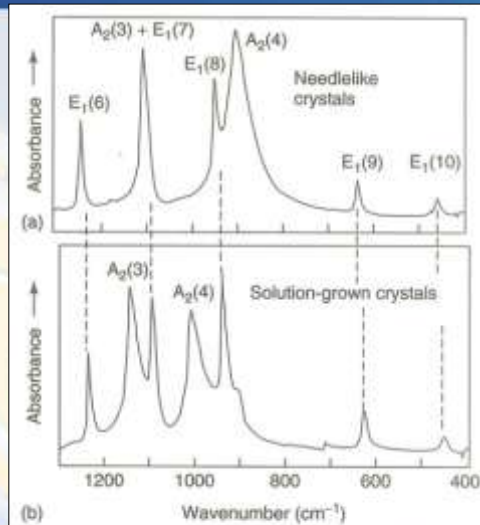


Figure 7. Infrared spectra of POM₃₄ (a) FCC and (b) FCC [Reproduced by permission of Kluwer Academic Publishers from M. Kobayashi, 283–294 in "Crystallization of Polymers" M. Dosiere ed (1993).]

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Figure Journal

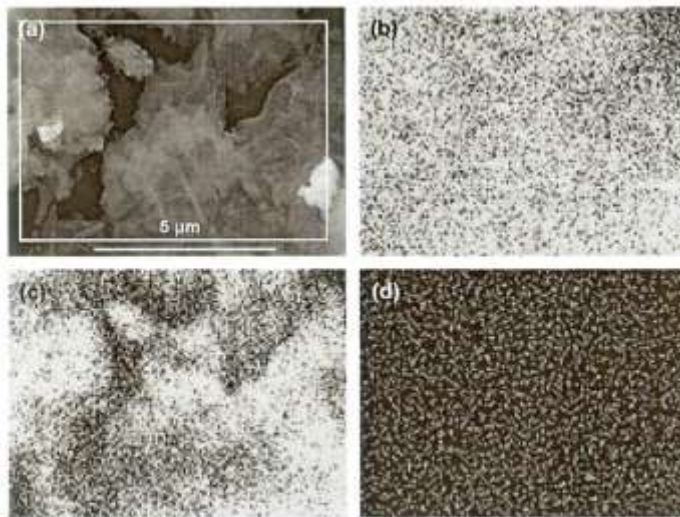


FIGURE 4.28 EDS elemental mapping: (a) Selected area on the sample (a SrO-TiO₂ tubes); (b) Ti mapping; (c) O mapping; (d) Sr mapping. Reprinted with permission from Ref. [150]. Copyright (2010) Elsevier.

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Unpublished Results

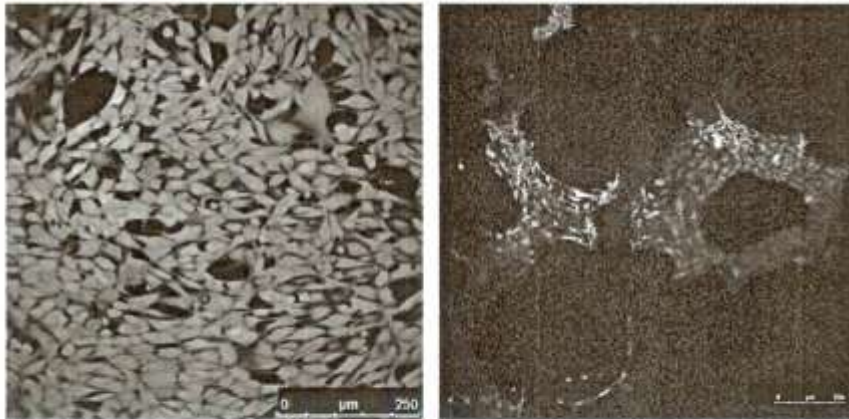


FIGURE 7.1.2 Fluorescence images of Live/Dead stained MG-63 osteoblast-like cells cultured on a dense disc (left) and on a three-dimensional bioactive glass scaffold (right) (Unpublished results, Institute of Biomaterials, University of Erlangen-Nuremberg).

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Source: Thesis

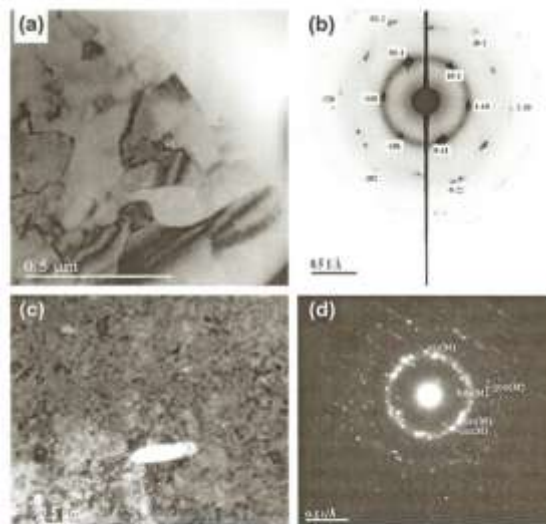


FIGURE 2.6 TEM micrograph and SAED pattern of austenite (a,b) and martensite (c,d) phases of NiTi alloy. Source: Madhavi Thyagaraj, M.S. thesis, University of Central Florida, Orlando, Florida, 2008.

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Source Patent

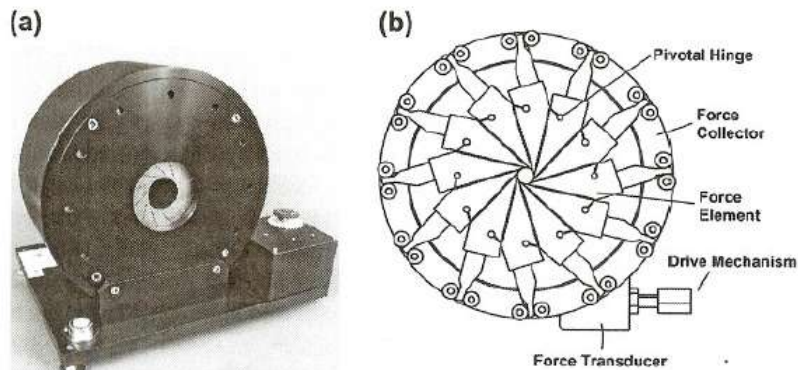


FIGURE 9.27 (a) Photograph and (b) construction of a segmented head radial force tester. Source: United States Patent and Trademark Office; US7,069,794 B2.



Source Patent

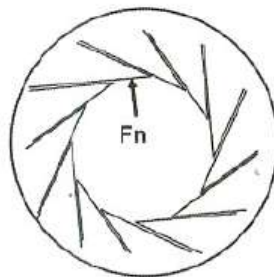


FIGURE 9.28 Radial force component, F_n , acting on each of the force elements. Source: United States Patent and Trademark Office; US7,069,794 B2.

FIGURE 9.27 (a) Photograph and (b) construction of a segmented head radial force tester. Source: United States Patent and Trademark Office; US7,069,794 B2.

